Molecular and Cellular Endocrinology, 54 (1987) 248–272
Elsevier Scientific Publishers Ireland, Ltd.

Key Word Index to Volumes 49–54 (1987)

Acceptor site
Receptor activation; Molybdate; Chromatin; Receptor regulation; Hormone action (Cobb, A.D. (52) 51)

A-431 cell
Fetal inhibitor/regressor; Müllerian inhibiting substance; (Mechanism of action) (Coughlin, J.P. (49) 75)

Acetyl choline
Islet of Langerhans; Forskolin; Phorbol ester (Hughes, S.J. (50) 231)

ACTH
Pineal organ culture; FSH; LH; TSH; Growth hormone; Prolactin (Vacas, M.I. (50) 23)

Adrenocortical cell; Adenylate cyclase; Protein kinase C; Angiotensin II; Phorbol ester (Brami, B. (50) 131)

Adrenocortical cell; Corticosterone; (Desensitization) (Lamberts, S.W.J. (52) 243)

ACTH and α-MSH secretion
AtT-20 corticotroph; Arginine-vasopressin receptor; $mRNA^{POMC}$ (Lutz-Bucher, B. (53) 161)

Action potential
Prolactin; Pituitary; Flow cytometry; Sodium conductance; Calcium conductance; Electrophysiology (Chen, G.-G. (51) 201)

Activation factor
Estrogen receptor; (Molecular variants); (Goat uterus) (Thampan, R.V. (53) 119)

Acyl CoA : cholesterol acyltransferase
Cholesteryl ester hydrolase; Corticosteroidogenesis; Pro-opiomelanocortin (Pedersen, R.C. (50) 149)

Adenylate cyclase
Quin-2; Parafusion system; TRH; PHI; Electrophysiological membrane property; Verapamil; Bay-K 8644 (Bjøro, T. (49) 119)

Adrenocortical cell; Protein kinase C; ACTH; Angiotensin II; Phorbol ester (Brami, B. (50) 131)

Corpus luteum model; LH; Catecholamine; Noradrenaline; Adrenaline; (Ovary) (Selstam, G. (53) 155)

Adipocyte
Photoaffinity labeling; Hexose uptake; Insulin action; (Rat) (May, J.M. (49) 181)

Pregnancy; Lactation; Lipolysis; Isoproterenol; (Ewe) (Guesnet, P. (50) 177)

Kallikrein; Bradykinin; Insulin; Hexose transport; (Rat) (Goldman, J. (50) 183)

Adipose cell
Estrogen; (Biosynthesis); (Regulation); (Human); (Review) (Mendelson, C.R. (52) 169)

Adrenal
Steroid hydroxylase; Gene expression; (Fetal) (John, M.E. (50) 263)

Δ^5-Desaturase; Eicosa-8,11,14-trienoic acid; Polyunsaturated fatty acid (Mandon, E.C. (51) 127)

Protein kinase; (Fetus; Ovine; Development) (Durand, P. (53) 195)

Adrenaline
Corpus luteum model; Adenylate cyclase; LH; Catecholamine; Noradrenaline; (Ovary) (Selstam, G. (53) 155)

α_1-Adrenergic agonist
Thyroid; Thyrotropin; Pertussis toxin; Polyphosphoinositide; Epinephrine (Berman, M.I. (54) 151)

α_1-Adrenergic antagonist
Hypothyroidism; Vasopressin; Glucagon; Angiotensin II; Hormonal receptor; (Developing liver); (Plasma level) (Ali, M. (51) 115)

α_1-Adrenergic receptor
Vasopressin; Angiotensin; Golgi fraction; (Liver) (Cantau, B. (51) 59)

α-Adrenergic receptor
Epinephrine; Growth hormone; Anterior pituitary (Maertens, P. (54) 203)

Adrenocortical cell
Adenylate cyclase; Protein kinase C; ACTH; Angiotensin II; Phorbol ester (Brami, B. (50) 131)

0303-7207/87/$03.50 © 1987 Elsevier Scientific Publishers Ireland, Ltd.

Molecular and Cellular Endocrinology, 54 (1987) 248–272
Elsevier Scientific Publishers Ireland, Ltd.

Key Word Index to Volumes 49–54 (1987)

Acceptor site
Receptor activation; Molybdate; Chromatin; Receptor regulation; Hormone action (Cobb, A.D. (52) 51)

A-431 cell
Fetal inhibitor/regressor; Müllerian inhibiting substance; (Mechanism of action) (Coughlin, J.P. (49) 75)

Acetyl choline
Islet of Langerhans; Forskolin; Phorbol ester (Hughes, S.J. (50) 231)

ACTH
Pineal organ culture; FSH; LH; TSH; Growth hormone; Prolactin (Vacas, M.I. (50) 23)

Adrenocortical cell; Adenylate cyclase; Protein kinase C; Angiotensin II; Phorbol ester (Brami, B. (50) 131)

Adrenocortical cell; Corticosterone; (Desensitization) (Lamberts, S.W.J. (52) 243)

ACTH and α-MSH secretion
AtT-20 corticotroph; Arginine-vasopressin receptor; $mRNA^{POMC}$ (Lutz-Bucher, B. (53) 161)

Action potential
Prolactin; Pituitary; Flow cytometry; Sodium conductance; Calcium conductance; Electrophysiology (Chen, G.-G. (51) 201)

Activation factor
Estrogen receptor; (Molecular variants); (Goat uterus) (Thampan, R.V. (53) 119)

Acyl CoA : cholesterol acyltransferase
Cholesteryl ester hydrolase; Corticosteroidogenesis; Pro-opiomelanocortin (Pedersen, R.C. (50) 149)

Adenylate cyclase
Quin-2; Parafusion system; TRH; PHI; Electrophysiological membrane property; Verapamil; Bay-K 8644 (Bjøro, T. (49) 119)

Adrenocortical cell; Protein kinase C; ACTH; Angiotensin II; Phorbol ester (Brami, B. (50) 131)

Corpus luteum model; LH; Catecholamine; Noradrenaline; Adrenaline; (Ovary) (Selstam, G. (53) 155)

Adipocyte
Photoaffinity labeling; Hexose uptake; Insulin action; (Rat) (May, J.M. (49) 181)

Pregnancy; Lactation; Lipolysis; Isoproterenol; (Ewe) (Guesnet, P. (50) 177)

Kallikrein; Bradykinin; Insulin; Hexose transport; (Rat) (Goldman, J. (50) 183)

Adipose cell
Estrogen; (Biosynthesis); (Regulation); (Human); (Review) (Mendelson, C.R. (52) 169)

Adrenal
Steroid hydroxylase; Gene expression; (Fetal) (John, M.E. (50) 263)

Δ^5-Desaturase; Eicosa-8,11,14-trienoic acid; Polyunsaturated fatty acid (Mandon, E.C. (51) 127)

Protein kinase; (Fetus; Ovine; Development) (Durand, P. (53) 195)

Adrenaline
Corpus luteum model; Adenylate cyclase; LH; Catecholamine; Noradrenaline; (Ovary) (Selstam, G. (53) 155)

α_1-Adrenergic agonist
Thyroid; Thyrotropin; Pertussis toxin; Polyphosphoinositide; Epinephrine (Berman, M.I. (54) 151)

α_1-Adrenergic antagonist
Hypothyroidism; Vasopressin; Glucagon; Angiotensin II; Hormonal receptor; (Developing liver); (Plasma level) (Ali, M. (51) 115)

α_1-Adrenergic receptor
Vasopressin; Angiotensin; Golgi fraction; (Liver) (Cantau, B. (51) 59)

α-Adrenergic receptor
Epinephrine; Growth hormone; Anterior pituitary (Maertens, P. (54) 203)

Adrenocortical cell
Adenylate cyclase; Protein kinase C; ACTH; Angiotensin II; Phorbol ester (Brami, B. (50) 131)

0303-7207/87/$03.50 © 1987 Elsevier Scientific Publishers Ireland, Ltd.

ACTH; Corticosterone; (Desensitization) (Lamberts, S.W.J. (52) 243)

Affinity chromatography
Prolactin receptor; Growth hormone; Mammary gland; Affinity labelling; (Bovine); (Human) (Ashkenazi, A. (50) 79)

Somatotrophic receptor; Soluble GH-binding protein; Growth hormone heterogeneity (Herington, A.C. (53) 203)

Affinity labelling
Prolactin receptor; Growth hormone; Mammary gland; Affinity chromatography; (Bovine); (Human) (Ashkenazi, A. (50) 79)

Progesterone receptor; Purification; Amino acid sequencing; Microbore HPLC (Simpson, R.J. (52) 177)

Aldosterone
Angiotensin II; Desensitization; Phosphoinositide; Glomerulosa cell (Enyedi, P. (51) 83)

Allatostatin
Juvenile hormone; Neuroendocrine regulation; Metamorphosis (Granger, N.A. (49) 237)

Allatotropin
Locusta migratoria; Mass spectrometry (Gadot, M. (49) 99)

Alpha-subunit
hCG; Oligosaccharides; Carbohydrate structure; Heterogeneity; (Free) (Cole, L.A. (50) 45)

Cell-free translation; Placental polypeptide; Immunoprecipitation; (Rat) (Lerrant, Y. (54) 23)

Amiloride
TSH receptor; Iodide pump; Mitogenesis (Waters, M.J. (49) 109)

Amino acid sequencing
Progesterone receptor; Affinity labelling; Purification; Microbore HPLC (Simpson, R.J. (52) 177)

Aminoglutethimide
Cycloheximide; Mitochondrial membrane; Phospholipid; Pregnenolone (Privalle, C.T. (53) 87)

Aminopeptidase
Endopeptidase 24.11; Enterocyte (Nau, R. (52) 97)

Androgen
FSH; Sertoli cell; Paracrine effect (Verhoeven, G. (49) 137)

Hypertrophy; Protein synthesis; (Skeletal muscle) (Boissonneault, G. (51) 19)

Coagulating gland; Glutamyl-lysyl dipeptide; Protein cross-linking (Fawell, S.E. (53) 149)

Androgen binding protein
Testicular peritubular cell; Sertoli cell secretion; Extracellular matrix; Vectorial secretion; Transferrin; (In vitro) (Janecki, A. (52) 125)

Androgen receptor abnormality
Testicular feminization (Stamatiadis, D. (54) 141)

Androstenedione
Estrogen; Thecal cell; Follicle; (Pig) (Hunter, M.G. (50) 165)

Angiotensin
Vasopressin; α_1-Adrenergic receptor; Golgi fraction; (Liver) (Cantau, B. (51) 59)

Kininase II; Endothelial cell, bovine; Dibutyryl cyclic AMP; Isobutylmethylxanthine; Angiotensin converting enzyme (Lloyd, C.J. (52) 219)

Forskolin; Kininase II; Isobutylmethylxanthine; Angiotensin converting enzyme; Isoproterenol (Cary, D.A. (53) 103)

Gel electrophoresis; cDNA library; Immunohistochemistry; Hybridization histochemistry; Nucleotide sequence; Renin activity (Butkus, A. (54) 123)

Angiotensin converting enzyme
Angiotensin; Kininase II; Endothelial cell, bovine; Dibutyryl cyclic AMP; Isobutylmethylxanthine (Lloyd, C.J. (52) 219)

Forskolin; Angiotensin; Kininase II; Isobutylmethylxanthine; Isoproterenol (Cary, D.A. (53) 103)

Angiotensin II
Adrenocortical cell; Adenylate cyclase; Protein kinase C; ACTH; Phorbol ester (Brami, B. (50) 131)

Desensitization; Aldosterone; Phosphoinositide; Glomerulosa cell (Enyedi, P. (51) 83)

Hypothyroidism; Vasopressin; Glucagon; α_1-Adrenergic antagonist; Hormonal receptor; (Developing liver); (Plasma level) (Ali, M. (51) 115)

Angiotensinogen
Isoelectric focusing; Sodium dodecyl sulfate-disc electrophoresis; Concanavalin A-Sepharose; Neuraminidase treatment; Sialic acid residue; (Rat) (Hilgenfeldt, U. (51) 211)

Anterior pituitary
α-Adrenergic receptor; Epinephrine; Growth hormone (Maertens, P. (54) 203)

Antibody
Prolactin; (Receptor); (Mammary gland) (Berthon, P. (51) 71)

Antibody characterization
Estrogen synthetase; Aromatase; Cytochrome *P*-450; NADPH-cytochrome *P*-450 reductase; Antiserum; Microsome; (Human placental) (Bellino, F.L. (52) 143)

Antiestrogen
Steroid hormone action; Messenger RNA; Transcription; Egg protein; Culture shock (Marsh, J. (53) 141)

Anti-insulin receptor antibody
Insulin receptor; Tyrosine kinase (Gherzi, R. (53) 9)

Anti-PRL receptor antibody
Prolactin; Leydig cell; Testosterone; hCG; (Testis) (Barkey, R.J. (52) 71)

Arachidonic acid
Prostaglandin E_2; Epidermal growth factor (Casey, M.L. (53) 169)

Arginine-vasopressin receptor
AtT-20 corticotroph; ACTH and α-MSH secretion; $mRNA^{POMC}$ (Lutz-Bucher, B. (53) 161)

Aromatase
Estrogen synthetase; Cytochrome *P*-450; NADPH-cytochrome *P*-450 reductase; Antiserum; Microsome; Antibody characterization; (Human placental) (Bellino, F.L. (52) 143)

ATPase
Ecdysteroid; Ouabain; (Uptake); (Crayfish) (Spindler, K.-D. (52) 81)

AtT-20 cell
Phosphoprotein; Cyclic AMP-dependent protein kinase; Protein kinase C secretion (Bishop, J.F. (52) 17)

AtT-20 corticotroph
Arginine-vasopressin receptor; ACTH and α-MSH secretion; $mRNA^{POMC}$ (Lutz-Bucher, B. (53) 161)

Autoantibody
Immunocytochemistry; Thyroid microsomal antigen; Cell membrane; Microdomain; Thyroid follicle cell; Autoimmunity (Nilsson, M. (53) 177)

Autoimmunity
Immunocytochemistry; Thyroid microsomal antigen; Autoantibody; Cell membrane; Microdomain; Thyroid follicle cell (Nilsson, M. (53) 177)

Bay-K 8644
Parafusion system; TRH; PHI; Adenylate cyclase, Quin-2; Electrophysiological membrane property; Verapamil (Bjøro, T. (49) 119)

Binding protein
Breast cancer cell; Somatomedin C; Insulin-like growth factor (Minuto, F. (54) 179)

Bombesin
Gastrin-releasing peptide; Median eminence (Giraud, A.S. (53) 245)

Bombyxin
Prothoracicotropic hormone (PTTH); *Bombyx mori*; Monoclonal antibody; Brain neurosecretory cell (Mizoguchi, A. (51) 227)

Bombyx mori
Prothoracicotropic hormone (PTTH); Bombyxin; Monoclonal antibody; Brain neurosecretory cell (Mizoguchi, A. (51) 227)

Bovine growth hormone
Cross-linking; Somatotropin receptor (Badinga, L. (52) 85)

Bovine luteal cell
Desensitisation; cAMP; Phorbol ester (Budnik, L.T. (54) 51)

Bradykinin
Kallikrein; Insulin; Hexose transport; Adipocyte; (Rat) (Goldman, J. (50) 183)

Brain neurosecretory cell
Prothoracicotropic hormone (PTTH); Bombyxin; *Bombyx mori*; Monoclonal antibody (Mizoguchi, A. (51) 227)

Breast cancer
GnRH; Phospholipase C; Phosphoinositide; G-Protein (Segal, T. (53) 239)

Breast cancer cell
Somatomedin C; Insulin-like growth factor; Binding protein (Minuto, F. (54) 179)

Brown adipose tissue
Ciglitazone; Insulin; Thermogenesis; Energy balance (Rothwell, N.J. (51) 253)

Ca^{2+} antagonist
(+)-PN 200–110; Pituitary; (Binding); (Human) (Bression, D. (50) 255)

Calcitonin
Ornithine decarboxylase (Nakhla, A.M. (52) 263)

Calcitonin gene-related peptide
cAMP; Calcitonin; Phorbol ester; TT cell (Cote, G.J. (53) 211)

Calcitriol
Organ-cultured intestine; Sodium transport; Ionophore A23187; Epithelial tight junction; Paracellular transport (Cross, H.S. (53) 53)

Calcium
Glucagon secretion; Phorbol ester; Forskolin (Hii, C.S.T. (50) 37)

Catecholamine; Guanine nucleotide; Cholera toxin; Pertussis toxin (Bégin-Heick, N. (53) 1)

Calcium binding protein
Vitamin D; Dexamethasone (Hall, A.K. (51) 25)

Calcium conductance
Prolactin; Pituitary; Flow cytometry; Action potential; Sodium conductance; Electrophysiology (Chen, G.-G. (51) 201)

Calcium flux
Thyroid (Mockel, J. (51) 95)

Calcium ionophore
Forskolin; High potassium; Growth hormone releasing factor; Prolactin; Growth hormone (Makara, G.B. (52) 63)

Carbohydrate structure
hCG; Alpha-subunit; Oligosaccharides; Heterogeneity; (Free) (Cole, L.A. (50) 45)

Cardiocyte, atrial
Atrial natriuretic factor; Ventricular cardiocyte; (Culture) (Cantin, M. (52) 105)

Catalytic property
Protein kinase C; Receptor binding property; Luteal cytosol; (Swine) (Wheeler, M.B. (50) 123)

Catecholamine
Thyroid; Glucagon; Insulin; Glucose; Pyruvate kinase (Laville, M. (50) 247)

Guanine nucleotide; Cholera toxin; Pertussis toxin; Calcium (Bégin-Heick, N. (53) 1)

Corpus luteum model; Adenylate cyclase; LH; Noradrenaline; Adrenaline; (Ovary) (Selstam, G. (53) 155)

C6 cell
Thyroid hormone receptor; Down-regulation (Ortiz-Caro, J. (49) 255)

Cell culture
Corpus luteum; Cell density (Pate, J.L. (53) 187)

Cell cycle
S-phase; DNA synthesis; G_1; Phosphoprotein synthesis (Linebaugh, B.E. (52) 227)

Cell density
Corpus luteum; Cell culture (Pate, J.L. (53) 187)

Cell-free translation
Placental polypeptide; Immunoprecipitation; α-Subunit; (Rat) (Lerrant, Y. (54) 23)

Cell growth
Interferon-γ; RIN-m5F cell line; MHC expression; (Pro)insulin; Protein synthesis (Campbell, I.L. (52) 161)

Cell membrane
Immunocytochemistry; Thyroid microsomal antigen; Autoantibody; Microdomain; Thyroid follicle cell; Autoimmunity (Nilsson, M. (53) 177)

Cell proliferation
Growth factor; Senescence; Follicular cell (Smith, P. (51) 51)

EGF; EGF receptor; Tyrosine protein kinase; Growth factor; Oncogene (Gill, G.N. (51) 169)

Cell shape
PC12 cell; Dopamine synthesis; Extracellular matrix (Bethea, C.L. (54) 63)

hCG
Lutropin receptor; Ligand blotting; Ovary; Leydig cell (Keinänen, K.P. (49) 33)

Alpha-subunit; Oligosaccharides; Carbohydrate structure; Heterogeneity; (Free) (Cole, L.A. (50) 45)

Prolactin; Leydig cell; Testosterone; AntiPRL receptor antibody; (Testis) (Barkey, R.J. (52) 71)

hCG desensitization
Leydig cell; Testosterone; Progesterone; Interstitial fluid factor; Paracrine control; (Culture) (Sharpe, R.M. (51) 105)

hCG production
LHRH binding site; (Extra-pituitary); (Human); (Placental) (Bélisle, S. (49) 195)

Cholera toxin
Growth control; Cyclic nucleotide; TSH; Insulin; Forskolin (Wynford-Thomas, D. (51) 163)

Catecholamine; Guanine nucleotide; Pertussis toxin; Calcium (Bégin-Heick, N. (53) 1)

Cholesterol
Cholesteryl ester hydrolase; Corticosteroidogenesis; Proopiomelanocortin (Pedersen, R.C. (50) 157)

Cholesterol side-chain cleavage enzyme complex
Epidermal growth factor; Ovarian granulosa cell; ($P\text{-}450_{scc}$); (Rat) (Trzeciak, W.H. (52) 43)

Cholesteryl ester hydrolase
Acyl CoA : cholesterol acyltransferase; Corticosteroidogenesis; Proopiomelanocortin (Pedersen, R.C. (50) 149)

Cholesterol; Corticosteroidogenesis; Proopiomelanocortin (Pedersen, R.C. (50) 157)

Chromatin
Receptor activation; Molybdate; Acceptor site; Receptor regulation; Hormone action (Cobb, A.D. (52) 51)

Chromatofocusing
LH microheterogeneity; LH bioactivity/immunoreactivity ratio (Snyder, P.J. (54) 115)

Ciglitazone
Insulin; Thermogenesis; Brown adipose tissue; Energy balance (Rothwell, N.J. (51) 253)

Citric acid
Prolactin; Ornithine decarboxylase; Polyamine; (Prostate); (Rat) (Rui, H. (52) 91)

Clonal cell line
Thyrotropin; Growth factor; Cyclic AMP (Brandi, M.L. (54) 91)

Cloudman S91 melanoma
α-Melanotropin (α-MSH); Phosphorylation assay; Cyclic AMP; Forskolin (De Graan, P.N.E. (51) 87)

Coagulating gland
Androgen; Glutamyl-lysyl dipeptide; Protein cross-linking (Fawell, S.E. (53) 149)

Colchicine
Insulin receptor; Liver subfraction; Insulin uptake; (Distribution) (Postel-Vinay, M.C. (52) 199)

Concanavalin A-Sepharose
Angiotensinogen; Isoelectric focusing; Sodium dodecyl sulfate-disc electrophoresis; Neuraminidase treatment; Sialic acid residue; (Rat) (Hilgenfeldt, U. (51) 211)

Coordinate regulation
Steroid hormone; Estrogen suppression; Gene expression; mRNA purification (Holland, L.J. (49) 63)

Copulatory plug
Reproduction; Gene and protein evolution; Immunoblotting; Nucleic acid hybridisation (Fawell, S.E. (50) 107)

Corpora allata
Diploptera punctata; Juvenile hormone III; Hormone biosynthesis; (Insects) (Feyereisen, R. (53) 227)

20-Hydroxyecdysone; *Manduca sexta*; Juvenile hormone (Whisenton, L.R. (54) 171)

Corpus luteum
Serotonin; Progesterone; (Bovine) (Battista, P.J. (51) 145)

Cell culture; Cell density (Pate, J.L. (53) 187)

Vasopressin; mRNA, vasopressin; Transcriptional regulation; Lambda gt11 cloning (Mercer, J.E. (53) 255)

Corpus luteum model
Adenylate cyclase; LH; Catecholamine; Noradrenaline; Adrenaline; (Ovary) (Selstam, G. (53) 155)

Corticosteroidogenesis
Acyl CoA : cholesterol acyltransferase; Cholesteryl ester hydrolase; Proopiomelanocortin (Pedersen, R.C. (50) 149)

Cholesterol; Cholesteryl ester hydrolase; Proopiomelanocortin (Pedersen, R.C. (50) 157)

Corticosterone
Adrenocortical cell; ACTH; (Desensitization) (Lamberts, S.W.J. (52) 243)

Crayfish
Ecdysteroid; Ouabain; ATPase; (Uptake) (Spindler, K.-D. (52) 81)

Cross-linking
Bovine growth hormone; Somatotropin receptor (Badinga, L. (52) 85)

Crustaceans
Protein kinase C; Y-organ; Ecdysteroidogenesis; Regulation (Mattson, M.P. (49) 159)

Cryptorchidism
Protein kinase C; Leydig cell; Seminiferous tubule; Phorbol ester; Steroidogenesis; Cyclic AMP; Testosterone (Nikula, H. (49) 39)

Culture shock
Steroid hormone action; Messenger RNA; Transcription; Antiestrogen; Egg protein (Marsh, J. (53) 141)

Cyclic AMP
TSH; Intralysosomal hydrolysis; Thyroglobulin; Thyroid (Fouchier, F. (49) 25)

Protein kinase C; Leydig cell; Seminiferous tubule; Phorbol ester; Steroidogenesis; Testosterone; Cryptorchidism (Nikula, H. (49) 39)

Development; Glucagon; Receptor; Liver; Membrane; Hepatocyte; (Rat) (Blázquez, E. (49) 149)

Sertoli cells; Inhibin; FSH (Bicsak, T.A. (49) 211)

Cloudman S91 melanoma; α-Melanotropin (α-MSH); Phosphorylation assay; Forskolin (De Graan, P.N.E. (51) 87)

Granulosa-luteal cell; (Human); Protein kinase C; (Activation); Progesterone (Jalkanen, J. (51) 273)

Thyroid; Thyroglobulin; Insulin; Hydrocortisone; TSH; (Cell line) (Aouani, A. (52) 151)

Lymphocyte; Vitamin D (Rubin, J.E. (52) 213)

Thyroid; Thyrotropin; Inositol phosphate (Laurent, E. (52) 273)

Calcitonin; Calcitonin gene-related peptide; Phorbol ester; TT cell (Cote, G.J. (53) 211)

Desensitisation; Phorbol ester; Bovine luteal cell (Budnik, L.T. (54) 51)

Thyrotropin; Clonal cell line; Growth factor (Brandi, M.L. (54) 91)

Thyrotrophin; Intracellular calcium; Protein kinase C; Phorbol ester; Pituitary (Davis, J.R.E. (54) 197)

Cyclic AMP-dependent protein kinase
Phosphoprotein; AtT-20 cell; Protein kinase C secretion (Bishop, J.F. (52) 17)

Cyclic AMP phosphodiesterase inhibition
Triiodothyronine binding to calcium-calmodulin (Rao, G.S. (53) 45)

Cyclic nucleotide
Growth control; TSH; Insulin; Forskolin; Cholera toxin (Wynford-Thomas, D. (51) 163)

Cycloheximide
Intermediate lobe; Desensitization; Melanotropin; Thyrotropin-releasing hormone; Monensin; Perifusion; (Pituitary); (Amphibians) (Lamacz, M. (50) 203)

LH-RH; Inhibin; Pituitary cell; Phorbol 12-myristate 13-acetate (Fukuda, M. (51) 41)

Aminoglutethimide; Mitochondrial membrane; Phospholipid; Pregnenolone (Privalle, C.T. (53) 87)

Cyclooxygenase
PGH_2 synthase; Ovulation; Follicle; Enzyme immunoassay (Huslig, R.L. (50) 237)

Cytochrome *P*-450
Estrogen synthetase; Aromatase; NADPH-cytochrome *P*-450 reductase; Antiserum; Microsome; Antibody characterization; (Human placental) (Bellino, F.L. (52) 143)

Cytochrome $P\text{-}450_{AROM}$
cDNA insert; (Sequencing) (Simpson, E.R. (52) 267)

Cytochrome $P\text{-}450_{11\beta/18}$
Electron transport pathway; Cytochrome $P\text{-}450_{scc}$; Mitochondria (Natarajan, R.D. (53) 75)

Cytochrome $P\text{-}450_{scc}$
Ovarian granulosa cell; Epidermal growth factor; Cholesterol side-chain cleavage enzyme complex; (Rat) (Trzeciak, W.H. (52) 43)

Electron transport pathway; Cytochrome $P\text{-}450_{11\beta/18}$; Mitochondria (Natarajan, R.D. (53) 75)

Cytoplasmic dot blot hybridization
Monolayer pituitary cell culture; Messenger RNA; Gene transcription (Wood, D.F. (52) 257)

D_1 and D_2 receptor
Dopamine receptor; (Review) (Niznik, H.B. (54) 1)

Δ^5-Desaturase
Eicosa-8,11,14-trienoic acid; Polyunsaturated fatty acid; Adrenal gland (Mandon, E.C. (51) 127)

Desensitization
Intermediate lobe; Melanotropin; Thyrotropin-releasing hormone; Cycloheximide; Monensin; Perifusion; (Pituitary); (Amphibians) (Lamacz, M. (50) 203)

Angiotensin II; Aldosterone; Phosphoinositide; Glomerulosa cell (Enyedi, P. (51) 83)

cAMP; Phorbol ester; Bovine luteal cell (Budnik, L.T. (54) 51)

Dexamethasone
Vitamin D; Calcium binding protein (Hall, A.K. (51) 25)

Dexamethasone binding
Glucocorticoid receptor system; Molybdate; (Dissociation rate); (Competition) (Leseney, A.M. (52) 1)

Diacylglycerol
Polyphosphoinositide; Inositol trisphosphate; Phorbol diester; Prolactin (Judd, A.M. (54) 107)

Dibutyryl cyclic AMP
Angiotensin; Kininase II; Endothelial cell, bovine; Isobutylmethylxanthine; Angiotensin converting enzyme (Lloyd, C.J. (52) 219)

α-Difluoromethylornithine
Ornithine decarboxylase; Putrescine; Spermidine; Spermine; Prolactin cell (Persson, L. (51) 219)

5α-Dihydrotestosterone-receptor complex
Steroid-binding protein C3(1) gene; (Prostate) (Rushmere, N.K. (51) 259)

1,25-Dihydroxyvitamin D_3
Gene expression; Post-transcriptional effect (Theofan, G. (54) 135)

Diploptera punctata
Corpora allata; Juvenile hormone III; Hormone biosynthesis; (Insects) (Feyereisen, R. (53) 227)

cDNA hybridization
Northern blotting; Kidney; Renin-angiotensin system; (Isolated) (Ludwig, G. (50) 223)

cDNA insert
Cytochrome $P\text{-}450_{AROM}$; (Sequencing) (Simpson, E.R. (52) 267)

cDNA library
Gel electrophoresis; Immunohistochemistry; Hybridization histochemistry; Nucleotide sequence; Angiotensin; Renin activity (Butkus, A. (54) 123)

DNA synthesis
Cell cycle; S-phase; G_1; Phosphoprotein synthesis (Linebaugh, B.E. (52) 227)

DNA topoisomerase I
Leydig cell; Peptide hormone; Nuclear effect (Crespi, M.D. (53) 221)

Dopamine
PC12 cell; Extracellular matrix; Glucocorticoid (Bethea, C.L. (50) 211)

Phenol red; Prolactin release and synthesis; 17β-Estradiol; Tamoxifen; Lactotroph responsiveness; TRH; Somatostatin (Hofland, L.J. (54) 43)

Dopamine receptor
D_1 and D_2 receptor; (Review) (Niznik, H.B. (54) 1)

Dopamine synthesis
PC12 cell; Cell shape; Extracellular matrix (Bethea, C.L. (54) 63)

Down-regulation
Thyroid hormone receptor; C6 cell (Ortiz-Caro, J. (49) 255)

Ecdysteroid
Ouabain; ATPase; (Uptake); (Crayfish) (Spindler, K.-D. (52) 81)

Ecdysteroidogenesis
Protein kinase C; Y-organ; Regulation; Crustaceans (Mattson, M.P. (49) 159)

EGF
EGF receptor; Tyrosine protein kinase; Growth factor; Oncogene; Cell proliferation (Gill, G.N. (51) 169)

Cholesterol side-chain cleavage enzyme complex; Ovarian granulosa cell; (P-450$_{scc}$); (Rat) (Trzeciak, W.H. (52) 43)

Arachidonic acid; Prostaglandin E_2 (Casey, M.L. (53) 169)

EGF receptor
EGF; Tyrosine protein kinase; Growth factor; Oncogene; Cell proliferation (Gill, G.N. (51) 169)

Egg development neurosecretory hormone
Prothoracicotropic hormone; Steroidogenic peptides (Whisenton, L.V.R. (50) 3)

Egg protein
Steroid hormone action; Messenger RNA; Transcription; Antiestrogen; Culture shock (Marsh, J. (53) 141)

Eicosa-8,11,14-trienoic acid
Δ^5-Desaturase; Polyunsaturated fatty acid; Adrenal gland (Mandon, E.C. (51) 127)

Electron transport pathway
Cytochrome P-450$_{scc}$; Cytochrome P-450$_{11\beta/18}$; Mitochondria (Natarajan, R.D. (53) 75)

Electrophysiological membrane property
Parafusion system; TRH; PHI; Adenylate cyclase, Quin-2; Verapamil; Bay-K 8644 (Bjøro, T. (49) 119)

Electrophysiology
Prolactin; Pituitary; Flow cytometry; Action potential; Sodium conductance; Calcium conductance (Chen, G.-G. (51) 201)

Endometrium
Hormone release; Pregnancy; Uterus (Handwerger, S. (50) 99)

Endopeptidase 24.11
Aminopeptidase; Enterocyte (Nau, R. (52) 97)

Endothelial cell, bovine
Angiotensin; Kininase II; Dibutyryl cyclic AMP; Isobutylmethylxanthine; Angiotensin converting enzyme (Lloyd, C.J. (52) 219)

Energy balance
Ciglitazone; Insulin; Thermogenesis; Brown adipose tissue (Rothwell, N.J. (51) 253)

Enterocyte
Endopeptidase 24.11; Aminopeptidase (Nau, R. (52) 97)

Enzyme immunoassay
Cyclooxygenase; PGH_2 synthase; Ovulation; Follicle (Huslig, R.L. (50) 237)

Epinephrine
Thyroid; Thyrotropin; Pertussis toxin; Polyphosphoinositide; α_1-Adrenergic agonist (Berman, M.I. (54) 151)

α-Adrenergic receptor; Growth hormone; Anterior pituitary (Maertens, P. (54) 203)

Epithelial cell proliferation
TSH; Growth factor; Permissive factor (Williams, D.W. (51) 33)

Epithelial tight junction
Calcitriol; Organ-cultured intestine; Sodium transport; Ionophore A23187; Paracellular transport (Cross, H.S. (53) 53)

Estradiol
Steroidogenesis; Progesterone production; 2-Hydroxyestradiol; Follicle stimulating hormone; (Ovarian) (Spicer, L.J. (50) 139)

LH; FSH; Positive feedback; (Rat; Anterior pituitary gland) (Wun, W.-S.A. (54) 165)

17β-Estradiol
Phenol red; Prolactin release and synthesis; Tamoxifen; Lactotroph responsiveness; Dopamine; TRH; Somatostatin (Hofland, L.J. (54) 43)

Estrogen
Androstenedione; Thecal cell; Follicle; (Pig) (Hunter, M.G. (50) 165)

Adipose cell; (Biosynthesis); (Regulation); (Human); (Review) (Mendelson, C.R. (52) 169)

Estrogen receptor
Activation factor; (Molecular variants); (Goat uterus) (Thampan, R.V. (53) 119)

Estrogen suppression
Steroid hormone; Coordinate regulation; Gene expression; mRNA purification (Holland, L.J. (49) 63)

Estrogen synthetase
Aromatase; Cytochrome *P*-450; NADPH-cytochrome *P*-450 reductase; Antiserum; Microsome; Antibody characterization; (Human placental) (Bellino, F.L. (52) 143)

Extracellular matrix
PC12 cell; Dopamine; Glucocorticoid (Bethea, C.L. (50) 211)

Testicular peritubular cell; Sertoli cell secretion; Vectorial secretion; Androgen binding protein; Transferrin; (In vitro) (Janecki, A. (52) 125)

PC12 cell; Dopamine synthesis; Cell shape (Bethea, C.L. (54) 63)

Fetal inhibitor / regressor
A-431 cell; Müllerian inhibiting substance; (Mechanism of action) (Coughlin, J.P. (49) 75)

Fetus
Adrenal; Protein kinase; Ovine; (Development) (Durand, P. (53) 195)

Flow cytometry
Prolactin; Pituitary; Action potential; Sodium conductance; Calcium conductance; Electrophysiology (Chen, G.-G. (51) 201)

Fluorescence polarization
Gonadotrope desensitization; Gonadotropin secretion; Membrane fluidity; GnRH action (Gorospe, W.C. (53) 131)

Follicle
Estrogen; Androstenedione; Thecal cell; (Pig) (Hunter, M.G. (50) 165)

Cyclooxygenase; PGH_2 synthase; Ovulation; Enzyme immunoassay (Huslig, R.L. (50) 237)

Follicular cell
Cell proliferation; Growth factor; Senescence (Smith, P. (51) 51)

Follicular fluid
Pituitary; mRNA; FSH; LH; Prolactin; Inhibin (Mercer, J.E. (53) 251)

Follitropin
(Radiolabeled); (Deglycosylated); (Ovary); (Kidney); (Liver); (Spleen); (Uptake); (Autoradiography) (Sebok, K. (52) 185)

Forskolin
Glucagon secretion; Phorbol ester; Calcium (Hii, C.S.T. (50) 37)

Islet of Langerhans; Acetyl choline; Phorbol ester (Hughes, S.J. (50) 231)

Cloudman S91 melanoma; α-Melanotropin (α-MSH); Phosphorylation assay; Cyclic AMP (De Graan, P.N.E. (51) 87)

Growth control; Cyclic nucleotide; TSH; Insulin; Cholera toxin (Wynford-Thomas, D. (51) 163)

High potassium; Growth hormone releasing factor; Prolactin; Growth hormone; Calcium ionophore (Makara, G.B. (52) 63)

Angiotensin; Kininase II; Isobutylmethylxanthine; Angiotensin converting enzyme; Isoproterenol (Cary, D.A. (53) 103)

FSH
Androgen; Sertoli cell; Paracrine effect (Verhoeven, G. (49) 137)

Sertoli cells; Inhibin; cAMP (Bicsak, T.A. (49) 211)

Pineal organ culture; LH; TSH; Growth hormone; Prolactin; ACTH (Vacas, M.I. (50) 23)

Steroidogenesis; Progesterone production; Estradiol; 2-Hydroxyestradiol; (Ovarian) (Spicer, L.J. (50) 139)

Leydig cell; Sertoli cell; Insulin; Somatomedin-C; Paracrine effect; (Coculture) (Perrard-Sapori, M.H. (50) 193)

Follicular fluid; Pituitary; mRNA; LH; Prolactin; Inhibin (Mercer, J.E. (53) 251)

LH; Estradiol; Positive feedback; (Rat; Anterior pituitary gland) (Wun, W.-S.A. (54) 165)

G_1
Cell cycle; S-phase; DNA synthesis; Phosphoprotein synthesis (Linebaugh, B.E. (52) 227)

Gastrin-releasing peptide
Bombesin; Median eminence (Giraud, A.S. (53) 245)

Gel electrophoresis
cDNA library; Immunohistochemistry; Hybridization histochemistry; Nucleotide sequence; Angiotensin; Renin activity (Butkus, A. (54) 123)

Gene and protein evolution
Reproduction; Copulatory plug; Immunoblotting; Nucleic acid hybridisation (Fawell, S.E. (50) 107)

Gene expression
Steroid hormone; Coordinate regulation; Estrogen suppression; mRNA purification (Holland, L.J. (49) 63)

Steroid hydroxylase; Adrenal; (Fetal) (John, M.E. (50) 263)

1,25-Dihydroxyvitamin D_3; Post-transcriptional effect (Theofan, G. (54) 135)

Gene transcription
Glutamine synthetase; 3T3-L1 adipocyte; (Regulation) (Bhandari, B. (51) 7)

Cytoplasmic dot blot hybridization; Monolayer pituitary cell culture; Messenger RNA (Wood, D.F. (52) 257)

Glomerulosa cell
Angiotensin II; Desensitization; Aldosterone; Phosphoinositide (Enyedi, P. (51) 83)

Glucagon
Development; Receptor; Liver; Membrane; Hepatocyte; Cyclic AMP; (Rat) (Blázquez, E. (49) 149)

Peptide hormone; Secondary structure; Heterologous interaction; PTH; Glucagon receptor (Shah, G.V. (49) 203)

Thyroid; Catecholamine; Insulin; Glucose; Pyruvate kinase (Laville, M. (50) 247)

Hypothyroidism; Vasopressin; Angiotensin II; α_1-Adrenergic antagonist; Hormonal receptor; (Developing liver); (Plasma level) (Ali, M. (51) 115)

Glucagon receptor
Peptide hormone; Secondary structure; Heterologous interaction; Glucagon; PTH (Shah, G.V. (49) 203)

Glucagon secretion
Phorbol ester; Forskolin; Calcium (Hii, C.S.T. (50) 37)

Glucocorticoid
PC12 cell; Extracellular matrix; Dopamine (Bethea, C.L. (50) 211)

Glucocorticoid receptor structure
Receptor; Methavanadate ion; Tungstate ion; HeLa S_3 cell (Rossini, G.P. (49) 129)

Glucocorticoid receptor system
Molybdate; Dexamethasone binding; (Dissociation rate); (Competition) (Leseney, A.M. (52) 1)

Glucose
Thyroid; Catecholamine; Glucagon; Insulin; Pyruvate kinase (Laville, M. (50) 247)

Glucose-6-phosphatase
Glucose-6-phosphate:glucose phosphotransferase; Pancreatic islet; Insulin-producing tumoral cell (Giroix, M.-H. (49) 219)

Glucose-6-phosphate dehydrogenase
Triiodothyronine; (Regulation) (Scott Fritz, R. (51) 13)

Glucose-6-phosphate:glucose phosphotransferase
Glucose-6-phosphatase; Pancreatic islet; Insulin-producing tumoral cell (Giroix, M.-H. (49) 219)

Glutamine synthetase
Gene transcription; 3T3-L1 adipocyte; (Regulation) (Bhandari, B. (51) 7)

Glutamyl-lysyl dipeptide
Androgen; Coagulating gland; Protein cross-linking (Fawell, S.E. (53) 149)

Glycerokinase
Glycerol oxidation; Pancreatic islet (Yilmaz, M.T. (52) 251)

Glycerol oxidation
Glycerokinase; Pancreatic islet (Yilmaz, M.T. (52) 251)

Glycogen
Protein phosphatase; Hyperglycemia; (Type 1 and Type 2) (Hanley, R.M. (50) 115)

Glycosylation
Urogenital sinus; Testosterone; Sex accessory tissue (Mills, J.S. (53) 111)

GnRH
Receptor; Testis; Leydig cell; GnRH receptor; Gonadotropin receptor; Lactogen receptor (Huhtaniemi, I.T. (49) 89)

Breast cancer; Phospholipase C; Phosphoinositide; G-Protein (Segal, T. (53) 239)

GnRH action
Gonadotrope desensitization; Fluorescence polarization; Gonadotropin secretion; Membrane fluidity (Gorospe, W.C. (53) 131)

GnRH receptor
GnRH (gonadotropin releasing hormone); Receptor; Testis; Leydig cell; Gonadotropin receptor; Lactogen receptor (Huhtaniemi, I.T. (49) 89)

Golgi fraction
Vasopressin; Angiotensin; α_1-Adrenergic receptor; (Liver) (Cantau, B. (51) 59)

Gonadotrope desensitization
Fluorescence polarization; Gonadotropin secretion; Membrane fluidity; GnRH action (Gorospe, W.C. (53) 131)

Gonadotropin receptor
GnRH (gonadotropin releasing hormone); Receptor; Testis; Leydig cell; GnRH receptor; Lactogen receptor (Huhtaniemi, I.T. (49) 89)

Gonadotropin secretion
Gonadotrope desensitization; Fluorescence polarization; Membrane fluidity; GnRH action (Gorospe, W.C. (53) 131)

Granulosa cell
Protein kinase C; Prostaglandin $F_{2\alpha}$ synthesis; (Activation); (Ovary) (Veldhuis, J.D. (49) 249)

Inhibin; Radioimmunoassay; Regulation by hormones and growth factors; (Rat) (Suzuki, T. (54) 185)

Ovary; Theca-interstitial cell; Ovulation; Plasminogen activator (Liu, Y.-X. (54) 221)

Inhibin; Immunocytochemistry; Sertoli cell; Placenta (Merchenthaler, I. (54) 239)

Granulosa cell differentiation
Inhibin radioimmunoassay; (Rat) (Zhiwen, Z. (54) 213)

Granulosa-luteal cell
(Human); Protein kinase C; (Activation); cAMP; Progesterone (Jalkanen, J. (51) 273)

Growth control
Cyclic nucleotide; TSH; Insulin; Forskolin; Cholera toxin (Wynford-Thomas, D. (51) 163)

Growth factor
Epithelial cell proliferation; TSH; Permissive factor (Williams, D.W. (51) 33)

Cell proliferation; Senescence; Follicular cell (Smith, P. (51) 51)

EGF; EGF receptor; Tyrosine protein kinase; Oncogene; Cell proliferation (Gill, G.N. (51) 169)

Thyrotropin; Clonal cell line; Cyclic AMP (Brandi, M.L. (54) 91)

Growth hormone
PRL site; GH sites; Prolactin; (Rabbit lung) (Amit, T. (49) 17)

Pineal organ culture; FSH; LH; TSH; Prolactin; ACTH (Vacas, M.I. (50) 23)

Prolactin receptor; Mammary gland; Affinity chromatography; Affinity labelling; (Bovine); (Human) (Ashkenazi, A. (50) 79)

Forskolin; High potassium; Growth hormone releasing factor; Prolactin; Calcium ionophore (Makara, G.B. (52) 63)

α-Adrenergic receptor; Epinephrine; Anterior pituitary (Maertens, P. (54) 203)

Growth hormone heterogeneity
Somatotrophic receptor; Soluble GH-binding protein; Affinity chromatography (Herington, A.C. (53) 203)

Growth hormone releasing factor
Forskolin; High potassium; Prolactin; Growth hormone; Calcium ionophore (Makara, G.B. (52) 63)

Guanine nucleotide
Catecholamine; Cholera toxin; Pertussis toxin; Calcium (Bégin-Heick, N. (53) 1)

Guanine nucleotide binding protein
Signal transduction; Review (Spiegel, A.M. (49) 1)

HeLa S_3 cell
Glucocorticoid receptor structure; Receptor; Methavanadate ion; Tungstate ion (Rossini, G.P. (49) 129)

Heparin-binding growth factor
Polypeptide processing; (Purification); (Western transfer) (Bertolini, J. (51) 187)

Heparin-Sepharose
Microsequencing; Seminiferous growth factor (Ueno, N. (49) 189)

Hepatocyte
Development; Glucagon; Receptor; Liver; Membrane; Cyclic AMP; (Rat) (Blázquez, E. (49) 149)

Hepatoma cell line
Thyroid hormone receptor; Isoelectric focusing; Receptor form; (Human) (Ichikawa, K. (51) 135)

Heterogeneity
hCG; Alpha-subunit; Oligosaccharides; Carbohydrate structure; (Free) (Cole, L.A. (50) 45)

Heterologous interaction
Peptide hormone; Secondary structure; Glucagon; PTH; Glucagon receptor (Shah, G.V. (49) 203)

Heteromeric receptor structure
Receptor activation; Receptor dissociation; Sodium molybdate (Gehring, U. (53) 33)

Hexose transport
Kallikrein; Bradykinin; Insulin; Adipocyte; (Rat) (Goldman, J. (50) 183)

Hexose uptake
Photoaffinity labeling; Insulin action; Adipocyte; (Rat) (May, J.M. (49) 181)

High potassium
Forskolin; Growth hormone releasing factor; Prolactin; Growth hormone; Calcium ionophore (Makara, G.B. (52) 63)

Hormonal receptor
Hypothyroidism; Vasopressin; Glucagon; Angiotensin II; α_1-Adrenergic antagonist; (Developing liver); (Plasma level) (Ali, M. (51) 115)

Hormone action
Receptor activation; Molybdate; Acceptor site; Chromatin; Receptor regulation (Cobb, A.D. (52) 51)

Hormone biosynthesis
Diploptera punctata; Corpora allata; Juvenile hormone III; (Insects) (Feyereisen, R. (53) 227)

Hormone release
Pregnancy; Uterus; Endometrium (Handwerger, S. (50) 99)

Hybridization
Steroid hormone; RNA probe; (^{35}S-labeled); (in situ) (Parl, F.F. (52) 235)

Hybridization histochemistry
Gel electrophoresis; cDNA library; Immunohistochemistry; Nucleotide sequence; Angiotensin; Renin activity (Butkus, A. (54) 123)

Hydrocortisone
Thyroid; Thyroglobulin; Insulin; TSH; cAMP; (Cell line) (Aouani, A. (52) 151)

20-Hydroxyecdysone
Corpora allata; *Manduca sexta*; Juvenile hormone (Whisenton, L.R. (54) 171)

2-Hydroxyestradiol
Steroidogenesis; Progesterone production; Estradiol; Follicle stimulating hormone; (Ovarian) (Spicer, L.J. (50) 139)

Hyperglycemia
Protein phosphatase; Glycogen; (Type 1 and Type 2) (Hanley, R.M. (50) 115)

Hyperinsulinemia
Insulin receptors; Interleukin-1; Peritoneal macrophage; Macrophage activation; Propionibacterium acnes; (Mouse) (Bautista, A.P. (50) 59)

Hypertrophy
Androgen; Protein synthesis; (Skeletal muscle) (Boissonneault, G. (51) 19)

Hypothyroidism
Vasopressin; Glucagon; Angiotensin II; α_1-Adrenergic antagonist; Hormonal receptor; (Developing liver); (Plasma level) (Ali, M. (51) 115)

IGF-I
Sertoli cell; Insulin receptor; Testis (Oonk, R.B. (49) 51)

Immortalization
Thyroid cell; (Human); Transfection; Thyrotropin (Whitley, G.StJ. (52) 279)

Immunoblotting
Reproduction; Copulatory plug; Gene and protein evolution; Nucleic acid hybridisation (Fawell, S.E. (50) 107)

Immunocytochemistry
Thyroid microsomal antigen; Autoantibody; Cell membrane; Microdomain; Thyroid follicle cell; Autoimmunity (Nilsson, M. (53) 177)

Immunoelectron microscopy
Steroid; Immunology; Steroid receptor (Ylikomi, T.J. (52) 35)

Immunocytochemistry
Inhibin; Sertoli; cell; Granulosa cell; Placenta (Merchenthaler, I. (54) 239)

Immunohistochemistry
Gel electrophoresis; cDNA library; Hybridization histochemistry; Nucleotide sequence; Angiotensin; Renin activity (Butkus, A. (54) 123)

Immunological study
Lactogen; Placenta; Polyclonal antiserum; (Rodent) (Southard, J.N. (50) 29)

Immunology
Steroid; Steroid receptor; Immunoelectron microscopy (Ylikomi, T.J. (52) 35)

Immunoprecipitation
Cell-free translation; Placental polypeptide; α-Subunit; (Rat) (Lerrant, Y. (54) 23)

Inhibin
Sertoli cells; FSH; cAMP (Bicsak, T.A. (49) 211)

Cycloheximide, LH-RH; Pituitary cell; Phorbol 12-myristate 13-acetate (Fukuda, M. (51) 41)

Follicular fluid; Pituitary; mRNA; FSH; LH; Prolactin (Mercer, J.E. (53) 251)

Granulosa cell; Radioimmunoassay; Regulation by hormones and growth factors; (Rat) (Suzuki, T. (54) 185)

Immunocytochemistry; Sertoli cell; Granulosa cell; Placenta (Merchenthaler, I. (54) 239)

Inhibin radioimmunoassay
Granulosa cells differentiation; (Rat) (Zhiwen, Z. (54) 213)

Inositol phosphate
Thyroid; Thyrotropin; Cyclic AMP (Laurent, E. (52) 273)

Inositol trisphosphate
Polyphosphoinositide; Diacylglycerol; Phorbol diester; Prolactin (Judd, A.M. (54) 107)

Insulin
Kallikrein; Bradykinin; Hexose transport; Adipocyte; (Rat) (Goldman, J. (50) 183)

Leydig cell; Sertoli cell; Somatomedin-C; FSH; Paracrine effect; (Coculture) (Perrard-Sapori, M.H. (50) 193)

Thyroid; Catecholamine; Glucagon; Glucose; Pyruvate kinase (Laville, M. (50) 247)

Growth control; Cyclic nucleotide; TSH; Forskolin; Cholera toxin (Wynford-Thomas, D. (51) 163)

Ciglitazone; Thermogenesis; Brown adipose tissue; Energy balance (Rothwell, N.J. (51) 253)

Thyroid; Thyroglobulin; Hydrocortisone; TSH; cAMP; (Cell line) (Aouani, A. (52) 151)

Proinsulin; Interferon-γ; RIN-m5F cell line; MHC expression; Protein synthesis; Cell growth (Campbell, I.L. (52) 161)

Insulin action
Photoaffinity labeling; Hexose uptake; Adipocyte; (Rat) (May, J.M. (49) 181)

Insulin degradation
Neutral thiopeptidase; Insulin glucagon protease; Insulin mediator (Varandani, P.T. (50) 171)

Insulin glucagon protease
Neutral thiopeptidase; Insulin mediator; Insulin degradation (Varandani, P.T. (50) 171)

Insulin-like growth factor
Breast cancer cell; Somatomedin C; Binding protein (Minuto, F. (54) 179)

Insulin-like growth factor-I
Leydig cell; Testosterone (Kasson, B.G. (52) 27)

Insulin mediator
Neutral thiopeptidase; Insulin glucagon protease; Insulin degradation (Varandani, P.T. (50) 171)

Insulin-producing tumoral cell
Glucose-6-phosphatase; Glucose-6-phosphate:glucose phosphotransferase; Pancreatic islet (Giroix, M.-H. (49) 219)

Insulin receptor
Sertoli cell; IGF-I; Testis (Oonk, R.B. (49) 51)

Hyperinsulinemia; Interleukin-1; Peritoneal macrophage; Macrophage activation; Propionibacterium acnes; (Mouse) (Bautista, A.P. (50) 59)

Liver subfraction; Insulin uptake; Colchicine; (Distribution) (Postel-Vinay, M.C. (52) 199)

Tyrosine kinase; Anti-insulin receptor antibody (Gherzi, R. (53) 9)

Insulin uptake
Insulin receptor; Liver subfraction; Colchicine; (Distribution) (Postel-Vinay, M.C. (52) 199)

Interferon-γ
RIN-m5F cell line; MHC expression; (Pro)insulin; Protein synthesis; Cell growth (Campbell, I.L. (52) 161)

Interleukin-1
Insulin receptors; Hyperinsulinemia; Peritoneal macrophage; Macrophage activation; Propionibacterium acnes; (Mouse) (Bautista, A.P. (50) 59)

Intermediate lobe
Desensitization; Melanotropin; Thyrotropin-releasing hormone; Cycloheximide; Monensin; Perifusion; (Pituitary); (Amphibians) (Lamacz, M. (50) 203)

Interstitial fluid factor
Leydig cell; Testosterone; Progesterone; Paracrine control; hCG desensitization; (Culture) (Sharpe, R.M. (51) 105)

Intracellular calcium
Thyrotrophin; Cyclic AMP; Protein kinase C; Phorbol ester; Pituitary (Davis, J.R.E. (54) 197)

Intralysosomal hydrolysis
TSH; cAMP; Thyroglobulin; Thyroid (Fouchier, F. (49) 25)

Iodide pump
TSH receptor; Amiloride; Mitogenesis (Waters, M.J. (49) 109)

Ionophore A23187
Calcitriol; Organ-cultured intestine; Sodium transport; Epithelial tight junction; Paracellular transport (Cross, H.S. (53) 53)

Islet of Langerhans
Forskolin; Acetyl choline; Phorbol ester (Hughes, S.J. (50) 231)

Isobutylmethylxanthine
Angiotensin; Kininase II; Endothelial cell, bovine; Dibutyryl cyclic AMP; Angiotensin converting enzyme (Lloyd, C.J. (52) 219)

Forskolin; Angiotensin; Kininase II; Angiotensin converting enzyme; Isoproterenol (Cary, D.A. (53) 103)

Isoelectric focusing
Thyroid hormone receptor; Hepatoma cell line; Receptor form; (Human) (Ichikawa, K. (51) 135)

Angiotensinogen; Sodium dodecyl sulfate-disc electrophoresis; Concanavalin A-Sepharose; Neuraminidase treatment; Sialic acid residue; (Rat) (Hilgenfeldt, U. (51) 211)

Isoproterenol
Adipocyte; Pregnancy; Lactation; Lipolysis; (Ewe) (Guesnet, P. (50) 177)

Forskolin; Angiotensin; Kininase II; Isobutylmethylxanthine; Angiotensin converting enzyme (Cary, D.A. (53) 103)

Juvenile hormone
Allatostatin; Neuroendocrine regulation; Metamorphosis (Granger, N.A. (49) 237)

(Synthesis) (Paulson, C.R. (51) 243)

20-Hydroxyecdysone; Corpora allata; *Manduca sexta* (Whisenton, L.R. (54) 171)

Juvenile hormone III
Diploptera punctata; Corpora allata; Hormone biosynthesis; (Insects) (Feyereisen, R. (53) 227)

Kallikrein
Bradykinin; Insulin; Hexose transport; Adipocyte; (Rat) (Goldman, J. (50) 183)

Kidney
cDNA hybridization; Northern blotting; Renin-angiotensin system; (Isolated) (Ludwig, G. (50) 223)

Follitropin; (Radiolabeled); (Deglycosylated); Ovary; Liver; Spleen; (Uptake); (Autoradiography) (Sebok, K. (52) 185)

Kininase II
Angiotensin; Endothelial cell, bovine; Dibutyryl cyclic AMP; Isobutylmethylxanthine; Angiotensin converting enzyme (Lloyd, C.J. (52) 219)

Forskolin; Angiotensin; Isobutylmethylxanthine; Angiotensin converting enzyme; Isoproterenol (Cary, D.A. (53) 103)

Lactation
Adipocyte; Pregnancy; Lipolysis; Isoproterenol; (Ewe) (Guesnet, P. (50) 177)

Lactogen
Placenta; Polyclonal antiserum; Immunological study; (Rodent) (Southard, J.N. (50) 29)

Lactogenic hormone
Organ culture (Hohmann, P. (54) 35)

Lactogen receptor
GnRH (gonadotropin releasing hormone); Receptor; Testis; Leydig cell; GnRH receptor; Gonadotropin receptor (Huhtaniemi, I.T. (49) 89)

Lactotroph responsiveness
Phenol red; Prolactin release and synthesis; 17β-Estradiol; Tamoxifen; Dopamine; TRH; Somatostatin (Hofland, L.J. (54) 43)

Lambda gt11 cloning
Corpus luteum; Vasopressin; mRNA, vasopressin; Transcriptional regulation (Mercer, J.E. (53) 255)

Leydig cell
Lutropin receptor; hCG; Ligand blotting; Ovary (Keinänen, K.P. (49) 33)

Protein kinase C; Seminiferous tubule; Phorbol ester; Steroidogenesis; Cyclic AMP; Testosterone; Cryptorchidism (Nikula, H. (49) 39)

GnRH (gonadotropin releasing hormone); Receptor; Testis; GnRH receptor; Gonadotropin receptor; Lactogen receptor (Huhtaniemi, I.T. (49) 89)

Somatomedin C/insulin-like growth factor 1; Sertoli cell; Leydig-tubular cell interaction; Leydig cell differentiation (Benahmed, M. (50) 69)

Sertoli cell; Insulin; Somatomedin-C; FSH; Paracrine effect; (Coculture) (Perrard-Sapori, M.H. (50) 193)

Testosterone; Progesterone; Interstitial fluid factor; Paracrine control; hCG desensitization; (Culture) (Sharpe, R.M. (51) 105)

LH receptor; (Internalization); (Recycling); (Rat testis); (Temperature sensitivity) (Habberfield, A.D. (51) 153)

Insulin-like growth factor-I; Testosterone (Kasson, B.G. (52) 27)

Prolactin; Testosterone; hCG; AntiPRL receptor antibody; (Testis) (Barkey, R.J. (52) 71)

DNA topoisomerase I; Peptide hormone; Nuclear effect (Crespi, M.D. (53) 221)

Leydig cell differentiation
Somatomedin C/insulin-like growth factor 1; Sertoli cell; Leydig cell; Leydig-tubular cell interaction (Benahmed, M. (50) 69)

Leydig-tubular cell interaction
Somatomedin C/insulin-like growth factor 1; Sertoli cell; Leydig cell; Leydig cell differentiation (Benahmed, M. (50) 69)

LH
Pineal organ culture; FSH; TSH; Growth hormone; Prolactin; ACTH (Vacas, M.I. (50) 23)

Corpus luteum model; Adenylate cyclase; Catecholamine; Noradrenaline; Adrenaline; (Ovary) (Selstam, G. (53) 155)

Follicular fluid; Pituitary; mRNA; FSH; Prolactin; Inhibin (Mercer, J.E. (53) 251)

FSH; Estradiol; Positive feedback; (Rat; Anterior pituitary gland) (Wun, W.-S.A. (54) 165)

LH bioactivity / immunoreactivity ratio
LH microheterogeneity; Chromatofocusing (Snyder, P.J. (54) 115)

LH microheterogeneity
Chromatofocusing; LH bioactivity/immunoreactivity ratio (Snyder, P.J. (54) 115)

LH receptor
Leydig cell; (Internalization); (Recycling); (Rat testis); (Temperature sensitivity) (Habberfield, A.D. (51) 153)

LH release
Mechanism of action; Melittin; Phospholipase A_2; Pituitary (Kiesel, L. (51) 1)

LHRH
Cycloheximide; Inhibin; Pituitary cell; Phorbol 12-myristate 13-acetate (Fukuda, M. (51) 41)

LHRH binding site
hCG production; (Extra-pituitary); (Human); (Placental) (Bélisle, S. (49) 195)

Ligand blotting
Lutropin receptor; hCG; Ovary; Leydig cell (Keinänen, K.P. (49) 33)

Lipolysis
Adipocyte; Pregnancy; Lactation; Isoproterenol; (Ewe) (Guesnet, P. (50) 177)

Liver
Development; Glucagon; Receptor; Membrane; Hepatocyte; Cyclic AMP; (Rat) (Blázquez, E. (49) 149)

Angiotensin; Vasopressin; α_1-Adrenergic receptor; Golgi fraction (Cantau, B. (51) 59)

Hypothyroidism; Vasopressin; Glucagon; α_1-Adrenergic antagonist; Hormonal receptor; Developing liver; (Plasma level) (Ali, M. (51) 115)

Follitropin; (Radiolabeled); (Deglycosylated); Ovary; Kidney; Spleen; (Uptake); (Autoradiography) (Sebok, K. (52) 185)

Liver subfraction
Insulin receptor; Insulin uptake; Colchicine; (Distribution) (Postel-Vinay, M.C. (52) 199)

Locusta migratoria
Allatotropin; Mass spectrometry (Gadot, M. (49) 99)

Lung
Growth hormone; PRL site; GH sites; Prolactin; (Rabbit) (Amit, T. (49) 17)

Luteal cytosol
Protein kinase C; Catalytic property; Receptor binding property; (Swine) (Wheeler, M.B. (50) 123)

Lutropin receptor
hCG; Ligand blotting; Ovary; Leydig cell (Keinänen, K.P. (49) 33)

Lymphocyte
Cyclic AMP; Vitamin D (Rubin, J.E. (52) 213)

Lysine 13
Parathyroid hormone; (Structure); (Function) (Zull, J.E. (51) 267)

Macrophage activation
Insulin receptors; Hyperinsulinemia; Interleukin-1; Peritoneal macrophage; Propionibacterium acnes; (Mouse) (Bautista, A.P. (50) 59)

Mammary gland
Antibody; Prolactin receptor (Berthon, P. (51) 71)

Prolactin receptor; Growth hormone; Affinity chromatography; Affinity labelling; (Bovine); (Human) (Ashkenazi, A. (50) 79)

Mineralocorticoid; Pregnancy; (Rabbit); (Receptors) (Jahn, G.A. (52) 205)

Prolactin receptor; (Cytosol); (Membrane); (Rabbit) (Ymer, S.I. (53) 67)

Manduca sexta
20-Hydroxyecdysone; Corpora allata; Juvenile hormone (Whisenton, L.R. (54) 171)

Mass spectrometry
Locusta migratoria; Allatotropin (Gadot, M. (49) 99)

Median eminence
Bombesin; Gastrin-releasing peptide (Giraud, A.S. (53) 245)

Melanotropin
Intermediate lobe; Desensitization; Thyrotropin-releasing hormone; Cycloheximide; Monensin; Perifusion; (Pituitary); (Amphibians) (Lamacz, M. (50) 203)

α-Melanotropin (α-MSH)
Cloudman S91 melanoma; Phosphorylation assay; Cyclic AMP; Forskolin (De Graan, P.N.E. (51) 87)

Melittin
Mechanism of action; LH release; Phospholipase A_2; Pituitary (Kiesel, L. (51) 1)

Membrane
Development; Glucagon; Receptor; Liver; Hepatocyte; Cyclic AMP; (Rat) (Blázquez, E. (49) 149)

Membrane fluidity
Gonadotrope desensitization; Fluorescence polarization; Gonadotropin secretion; GnRH action (Gorospe, W.C. (53) 131)

Messenger RNA
Cytoplasmic dot blot hybridization; Monolayer pituitary cell culture; Gene transcription (Wood, D.F. (52) 257)

Steroid hormone action; Transcription; Antiestrogen; Egg protein; Culture shock (Marsh, J. (53) 141)

Metamorphosis
Juvenile hormone; Allatostatin; Neuroendocrine regulation (Granger, N.A. (49) 237)

Methavanadate ion
Glucocorticoid receptor structure; Receptor; Tungstate ion; HeLa S_3 cell (Rossini, G.P. (49) 129)

Methimazole
Thyroid cell; Thyroid ovine; Propylthiouracil; Thyroglobulin; Molecular electron microscopy (Delain, E. (49) 173)

MHC expression
Interferon-γ; RIN-m5F cell line; (Pro)insulin; Protein synthesis; Cell growth (Campbell, I.L. (52) 161)

Microbore HPLC
Progesterone receptor; Affinity labelling; Purification; Amino acid sequencing (Simpson, R.J. (52) 177)

Microdomain
Immunocytochemistry; Thyroid microsomal antigen; Autoantibody; Cell membrane; Thyroid follicle cell; Autoimmunity (Nilsson, M. (53) 177)

Microsequencing
Heparin-Sepharose; Seminiferous growth factor (Ueno, N. (49) 189)

Microsomal antigen
Thyroid; Thyroid peroxidase; Thyroid autoimmunity (Nakajima, Y. (53) 15)

Microsome
Estrogen synthetase; Aromatase; Cytochrome *P*-450; NADPH-cytochrome *P*-450 reductase; Antiserum; Antibody characterization; (Human placental) (Bellino, F.L. (52) 143)

Mineralocorticoid
Mammary gland; Pregnancy; (Rabbit); (Receptors) (Jahn, G.A. (52) 205)

Mitochondria
Electron transport pathway; Cytochrome $P\text{-}450_{scc}$; Cytochrome $P\text{-}450_{11\beta/18}$ (Natarajan, R.D. (53) 75)

Mitochondrial membrane
Aminoglutethimide; Cycloheximide; Phospholipid; Pregnenolone (Privalle, C.T. (53) 87)

Mitogenesis
TSH receptor; Iodide pump; Amiloride (Waters, M.J. (49) 109)

Molecular electron microscopy
Thyroid cell; Thyroid ovine; Propylthiouracil; Methimazole; Thyroglobulin (Delain, E. (49) 173)

Molybdate
Glucocorticoid receptor system; Dexamethasone binding; (Dissociation rate); (Competition) (Leseney, A.M. (52) 1)

Receptor activation; Acceptor site; Chromatin; Receptor regulation; Hormone action (Cobb, A.D. (52) 51)

Monensin
Intermediate lobe; Desensitization; Melanotropin; Thyrotropin-releasing hormone; Cycloheximide; Perifusion; (Pituitary); (Amphibians) (Lamacz, M. (50) 203)

Monoclonal antibody
Prothoracicotropic hormone (PTTH); Bombyxin; *Bombyx mori*; Brain neurosecretory cell (Mizoguchi, A. (51) 227)

Monolayer pituitary cell culture
Cytoplasmic dot blot hybridization; Messenger RNA; Gene transcription (Wood, D.F. (52) 257)

Müllerian inhibiting substance
A-431 cell; Fetal inhibitor/regressor; (Mechanism of action) (Coughlin, J.P. (49) 75)

NADPH-cytochrome *P*-450 reductase
Estrogen synthetase; Aromatase; Cytochrome *P*-450; Antiserum; Microsome; Antibody characterization; (Human placental) (Bellino, F.L. (52) 143)

Natriuretic factor, atrial
Atrial cardiocyte; Ventricular cardiocyte; (Culture) (Cantin, M. (52) 105)

Neuraminidase treatment
Angiotensinogen; Isoelectric focusing; Sodium dodecyl sulfate-disc electrophoresis; Concanavalin A-Sepharose; Sialic acid residue; (Rat) (Hilgenfeldt, U. (51) 211)

Neuroendocrine regulation
Juvenile hormone; Allatostatin; Metamorphosis (Granger, N.A. (49) 237)

Neutral thiopeptidase
Insulin glucagon protease; Insulin mediator; Insulin degradation (Varandani, P.T. (50) 171)

Neutrophil granulocyte antiserum
Testosterone; (Testes); (Interstitial fluid); (Blood flow) (Widmark, A. (53) 25)

N excretion
Urea synthesis; Obesity; Streptozotocin; Urea cycle enzyme; (cafeteria-fed rat) (Barber, T. (50) 15)

Noradrenaline
Corpus luteum model; Adenylate cyclase; LH; Catecholamine; Adrenaline; (Ovary) (Selstam, G. (53) 155)

Northern blotting
cDNA hybridization; Kidney; Renin-angiotensin system; (Isolated) (Ludwig, G. (50) 223)

Nuclear effect
DNA topoisomerase I; Leydig cell; Peptide hormone (Crespi, M.D. (53) 221)

Nuclear T_3 binding protein
Thyroid hormone receptor; (Molecular weight) (Jaffe, R.C. (52) 137)

Nucleic acid hybridisation
Reproduction; Copulatory plug; Gene and protein evolution; Immunoblotting (Fawell, S.E. (50) 107)

Nucleotide sequence
Gel electrophoresis; cDNA library; Immunohistochemistry; Hybridization histochemistry; Angiotensin; Renin activity (Butkus, A. (54) 123)

Obesity
Urea synthesis; N excretion; Streptozotocin; Urea cycle enzyme; (cafeteria-fed rat) (Barber, T. (50) 15)

Oligosaccharides
hCG; Alpha-subunit; Carbohydrate structure; Heterogeneity; (Free) (Cole, L.A. (50) 45)

Oncogene
EGF; EGF receptor; Tyrosine protein kinase; Growth factor; Cell proliferation (Gill, G.N. (51) 169)

Opioid peptide
Preproenkephalin A; mRNA; Pheochromocytoma; (Human) (Yanase, T. (51) 237)

Organ culture
Lactogenic hormone (Hohmann, P. (54) 35)

Organ-cultured intestine
Calcitriol; Sodium transport; Ionophore A23187; Epithelial tight junction; Paracellular transport (Cross, H.S. (53) 53)

Ornithine decarboxylase
Prolactin; Prostate; Polyamines; (Lateral lobe); (Rat) (Rui, H. (50) 89)

Putrescine; Spermidine; Spermine; Prolactin cell; α-Difluoromethylornithine (Persson, L. (51) 219)

Prolactin; Citric acid; Polyamine; (Prostate); (Rat) (Rui, H. (52) 91)

Calcitonin (Nakhla, A.M. (52) 263)

Ouabain
Ecdysteroid; ATPase; (Uptake); (Crayfish) (Spindler, K.-D. (52) 81)

Ovarian granulosa cell
Epidermal growth factor; Cholesterol side-chain cleavage enzyme complex; (P-450_{scc}); (Rat) (Trzeciak, W.H. (52) 43)

Ovary
Lutropin receptor; hCG; Ligand blotting; Leydig cell (Keinänen, K.P. (49) 33)

Granulosa cell; Protein kinase C; Prostaglandin $F_{2\alpha}$ synthesis; (Activation) (Veldhuis, J.D. (49) 249)

Estradiol; Steroidogenesis; Progesterone production; 2-Hydroxyestradiol; Follicle stimulating hormone (Spicer, L.J. (50) 139)

Follitropin; (Radiolabeled); (Deglycosylated); Kidney; Liver; Spleen; (Uptake); (Autoradiography) (Sebok, K. (52) 185)

Corpus luteum model; LH; Catecholamine; Noradrenaline; Adrenaline (Selstam, G. (53) 155)

Granulosa cell; Theca-interstitial cell; Ovulation; Plasminogen activator (Liu, Y.-X. (54) 221)

Ovulation
Cyclooxygenase; PGH_2 synthase; Follicle; Enzyme immunoassay (Huslig, R.L. (50) 237)

Ovary; Granulosa cell; Theca-interstitial cell; Plasminogen activator (Liu, Y.-X. (54) 221)

Pancreatic islet
Glucose-6-phosphatase; Glucose-6-phosphate:glucose phosphotransferase; Insulin-producing tumoral cell (Giroix, M.-H. (49) 219)

Glycerokinase; Glycerol oxidation (Yilmaz, M.T. (52) 251)

Paracellular transport
Calcitriol; Organ-cultured intestine; Sodium transport; Ionophore A23187; Epithelial tight junction (Cross, H.S. (53) 53)

Paracrine control
Leydig cell; Testosterone; Progesterone; Interstitial fluid factor; hCG desensitization; (Culture) (Sharpe, R.M. (51) 105)

Paracrine effect
Androgen; FSH; Sertoli cell (Verhoeven, G. (49) 137)

Leydig cell; Sertoli cell; Insulin; Somatomedin-C; FSH; (Coculture) (Perrard-Sapori, M.H. (50) 193)

Parafusion system
TRH; PHI; Adenylate cyclase, Quin-2; Electrophysiological membrane property; Verapamil; Bay-K 8644 (Bjøro, T. (49) 119)

PC12 cell
Extracellular matrix; Dopamine; Glucocorticoid (Bethea, C.L. (50) 211)

Dopamine synthesis; Cell shape; Extracellular matrix (Bethea, C.L. (54) 63)

Peptide hormone
Secondary structure; Heterologous interaction; Glucagon; PTH; Glucagon receptor (Shah, G.V. (49) 203)

DNA topoisomerase I; Leydig cell; Nuclear effect (Crespi, M.D. (53) 221)

Perifusion
Intermediate lobe; Desensitization; Melanotropin; Thyrotropin-releasing hormone; Cycloheximide; Monensin; (Pituitary); (Amphibians) (Lamacz, M. (50) 203)

Peritoneal macrophage
Insulin receptors; Hyperinsulinemia; Interleukin-1; Macrophage activation; Propionibacterium acnes; (Mouse) (Bautista, A.P. (50) 59)

Peritubular cell
Sertoli cell; (Translation level) (Hutson, J.C. (52) 11)

Permissive factor
Epithelial cell proliferation; TSH; Growth factor (Williams, D.W. (51) 33)

Pertussis toxin
Catecholamine; Guanine nucleotide; Cholera toxin; Calcium (Bégin-Heick, N. (53) 1)

Thyroid; Thyrotropin; Polyphosphoinositide; Epinephrine; α_1-Adrenergic agonist (Berman, M.I. (54) 151)

PGH_2 synthase
Cyclooxygenase; Ovulation; Follicle; Enzyme immunoassay (Huslig, R.L. (50) 237)

Phenol red
Prolactin release and synthesis; 17β-Estradiol; Tamoxifen; Lactotroph responsiveness; Dopamine; TRH; Somatostatin (Hofland, L.J. (54) 43)

Pheochromocytoma
Preproenkephalin A; Opioid peptide; mRNA; (Human) (Yanase, T. (51) 237)

PHI
Parafusion system; TRH; Adenylate cyclase, Quin-2; Electrophysiological membrane property; Verapamil; Bay-K 8644 (Bjøro, T. (49) 119)

Phorbol diester
Polyphosphoinositide; Inositol trisphosphate; Diacylglycerol; Prolactin (Judd, A.M. (54) 107)

Phorbol ester
Protein kinase C; Leydig cell; Seminiferous tubule; Steroidogenesis; Cyclic AMP; Testosterone; Cryptorchidism (Nikula, H. (49) 39)

Glucagon secretion; Forskolin; Calcium (Hii, C.S.T. (50) 37)

Adrenocortical cell; Adenylate cyclase; Protein kinase C; ACTH; Angiotensin II (Brami, B. (50) 131)

Islet of Langerhans; Forskolin; Acetyl choline (Hughes, S.J. (50) 231)

cAMP; Calcitonin; Calcitonin gene-related peptide; TT cell (Cote, G.J. (53) 211)

Desensitisation; cAMP; Bovine luteal cell (Budnik, L.T. (54) 51)

Protein kinase C; Thyroid cell; (Response, Pig) (Munari-Silem, Y. (54) 81)

Thyrotrophin; Intracellular calcium; Cyclic AMP; Protein kinase C; Pituitary (Davis, J.R.E. (54) 197)

Phorbol 12-myristate 13-acetate
Inhibin; Cycloheximide, LH-RH; Pituitary cell (Fukuda, M. (51) 41)

Phosphoinositide
Angiotensin II; Desensitization; Aldosterone; Glomerulosa cell (Enyedi, P. (51) 83)

GnRH; Breast cancer; Phospholipase C; G-Protein (Segal, T. (53) 239)

Phospholipase A_2
Mechanism of action; LH release; Melittin; Pituitary (Kiesel, L. (51) 1)

Phospholipase C
GnRH; Breast cancer; Phosphoinositide; G-Protein (Segal, T. (53) 239)

Phospholipid
Aminoglutethimide; Cycloheximide; Mitochondrial membrane; Pregnenolone (Privalle, C.T. (53) 87)

Phosphoprotein
AtT-20 cell; Cyclic AMP-dependent protein kinase; Protein kinase C secretion (Bishop, J.F. (52) 17)

Phosphoprotein synthesis
Cell cycle; S-phase; DNA synthesis; G_1 (Linebaugh, B.E. (52) 227)

Phosphorylation assay
Cloudman S91 melanoma; α-Melanotropin (α-MSH); Cyclic AMP; Forskolin (De Graan, P.N.E. (51) 87)

Photoaffinity labeling
Hexose uptake; Insulin action; Adipocyte; (Rat) (May, J.M. (49) 181)

Pineal organ culture
FSH; LH; TSH; Growth hormone; Prolactin; ACTH (Vacas, M.I. (50) 23)

Pituitary
(+)-PN 200–110; Ca^{2+} antagonist; (Binding); (Human) (Bression, D. (50) 255)

Melanotropin; Intermediate lobe; (Desensitization); Thyrotropin-releasing hormone; Cycloheximide; Monensin; (Perifusion); (Amphibians) (Lamacz, M. (50) 203)

Mechanism of action; LH release; Melittin; Phospholipase A_2 (Kiesel, L. (51) 1)

Prolactin; Flow cytometry; Action potential; Sodium conductance; Calcium conductance; Electrophysiology (Chen, G.-G. (51) 201)

Follicular fluid; mRNA; FSH; LH; Prolactin; Inhibin (Mercer, J.E. (53) 251)

Anterior pituitary gland; Positive feedback; LH; FSH; Estradiol; (Rat) (Wun, W.-S.A. (54) 165)

Thyrotrophin; Intracellular calcium; Cyclic AMP; Protein kinase C; Phorbol ester (Davis, J.R.E. (54) 197)

Prolactin; Tubulin; (Suckling); (Rat) (Ravindra, R. (54) 231)

Pituitary cell
Inhibin; Cycloheximide, LH-RH; Phorbol 12-myristate 13-acetate (Fukuda, M. (51) 41)

Pituitary T3 receptor
T3, pituitary; TSH secretion; (Sex); (Age) (Donda, A. (54) 29)

Placenta
hCG production; LHRH binding site; (Extra-pituitary); (Human) (Bélisle, S. (49) 195)

Lactogen; Polyclonal antiserum; Immunological study; (Rodent) (Southard, J.N. (50) 29)

NADPH-cytochrome *P*-450 reductase; Estrogen synthetase; Aromatase; Cytochrome *P*-450; Antiserum; Microsome; Antibody characterization; (Human) (Bellino, F.L. (52) 143)

Inhibin; Immunocytochemistry; Sertoli cell; Granulosa cell (Merchenthaler, I. (54) 239)

Placental polypeptide
Cell-free translation; Immunoprecipitation; α-Subunit; (Rat) (Lerrant, Y. (54) 23)

Plasminogen activator
Ovary; Granulosa cell; Theca-interstitial cell; Ovulation (Liu, Y.-X. (54) 221)

(+)-PN 200–110
Ca^{2+} antagonist; Pituitary; (Binding); (Human) (Bression, D. (50) 255)

Polyamines
Prolactin; Prostate; Ornithine decarboxylase; (Lateral lobe); (Rat) (Rui, H. (50) 89)

Prolactin; Citric acid; Ornithine decarboxylase; (Prostate); (Rat) (Rui, H. (52) 91)

Polyclonal antiserum
Lactogen; Placenta; Immunological study; (Rodent) (Southard, J.N. (50) 29)

Polypeptide processing
Heparin-binding growth factor; (Purification); (Western transfer) (Bertolini, J. (51) 187)

Polyphosphoinositide
Inositol trisphosphate; Diacylglycerol; Phorbol diester; Prolactin (Judd, A.M. (54) 107)

Thyroid; Thyrotropin; Pertussis toxin; Epinephrine; α_1-Adrenergic agonist (Berman, M.I. (54) 151)

Polyunsaturated fatty acid
Δ^5-Desaturase; Eicosa-8,11,14-trienoic acid; Adrenal gland (Mandon, E.C. (51) 127)

Positive feedback
LH; FSH; Estradiol; (Rat; Anterior pituitary gland) (Wun, W.-S.A. (54) 165)

Post-transcriptional effect
1,25-Dihydroxyvitamin D_3; Gene expression (Theofan, G. (54) 135)

Pregnancy
Hormone release; Uterus; Endometrium (Handwerger, S. (50) 99)

Adipocyte; Lactation; Lipolysis; Isoproterenol; (Ewe) (Guesnet, P. (50) 177)

Mammary gland; Mineralocorticoid; (Rabbit); (Receptors) (Jahn, G.A. (52) 205)

Pregnenolone
Aminoglutethimide; Cycloheximide; Mitochondrial membrane; Phospholipid (Privalle, C.T. (53) 87)

Preproenkephalin A
Opioid peptide; mRNA; Pheochromocytoma; (Human) (Yanase, T. (51) 237)

Proinsulin
Interferon-γ; RIN-m5F cell line; MHC expression; Protein synthesis; Cell growth (Campbell, I.L. (52) 161)

Progesterone
Leydig cell; Testosterone; Interstitial fluid factor; Paracrine control; hCG desensitization; (Culture) (Sharpe, R.M. (51) 105)

Corpus lutuem; Serotonin; (Bovine) (Battista, P.J. (51) 145)

Granulosa-luteal cell; (Human); Protein kinase C; (Activation); Cyclic AMP (Jalkanen, J. (51) 273)

Progesterone production
Steroidogenesis; Estradiol; 2-Hydroxyestradiol; Follicle stimulating hormone; (Ovarian) (Spicer, L.J. (50) 139)

Progesterone receptor
Affinity labelling; Purification; Amino acid sequencing; Microbore HPLC (Simpson, R.J. (52) 177)

Prolactin
PRL site; GH sites; Growth hormone; (Rabbit lung) (Amit, T. (49) 17)

Pineal organ culture; FSH; LH; TSH; Growth hormone; ACTH (Vacas, M.I. (50) 23)

Prostate; Ornithine decarboxylase; Polyamines; (Lateral lobe); (Rat) (Rui, H. (50) 89)

Antibody; (Receptor); (Mammary gland) (Berthon, P. (51) 71)

Pituitary; Flow cytometry; Action potential; Sodium conductance; Calcium conductance; Electrophysiology (Chen, G.-G. (51) 201)

Forskolin; High potassium; Growth hormone releasing factor; Growth hormone; Calcium ionophore (Makara, G.B. (52) 63)

Leydig cell; Testosterone; hCG; AntiPRL receptor antibody; (Testis) (Barkey, R.J. (52) 71)

Citric acid; Ornithine decarboxylase; Polyamine; (Prostate); (Rat) (Rui, H. (52) 91)

Follicular fluid; Pituitary; mRNA; FSH; LH; Inhibin (Mercer, J.E. (53) 251)

Polyphosphoinositide; Inositol trisphosphate; Diacylglycerol; Phorbol diester (Judd, A.M. (54) 107)

Pituitary; Tubulin; (Suckling); (Rat) (Ravindra, R. (54) 231)

Prolactin cell
Ornithine decarboxylase; Putrescine; Spermidine; Spermine; α-Difluoromethylornithine (Persson, L. (51) 219)

Prolactin receptor
Growth hormone; Mammary gland; Affinity chromatography; Affinity labelling; (Bovine); (Human) (Ashkenazi, A. (50) 79)

Mammary gland; (Cytosol); (Membrane); (Rabbit) (Ymer, S.I. (53) 67)

Prolactin release and synthesis
Phenol red; 17β-Estradiol; Tamoxifen; Lactotroph responsiveness; Dopamine; TRH; Somatostatin (Hofland, L.J. (54) 43)

Proopiomelanocortin
Acyl CoA : cholesterol acyltransferase; Cholesteryl ester hydrolase; Corticosteroidogenesis (Pedersen, R.C. (50) 149)

Cholesterol; Cholesteryl ester hydrolase; Corticosteroidogenesis (Pedersen, R.C. (50) 157)

Propionibacterium acnes
Insulin receptors; Hyperinsulinemia; Interleukin-1; Peritoneal macrophage; Macrophage activation; (Mouse) (Bautista, A.P. (50) 59)

Propylthiouracil
Thyroid cell; Thyroid ovine; Methimazole; Thyroglobulin; Molecular electron microscopy (Delain, E. (49) 173)

Prostaglandin E_2
Arachidonic acid; Epidermal growth factor (Casey, M.L. (53) 169)

Prostaglandin $F_{2\alpha}$ synthesis
Protein kinase C; Granulosa cell; (Activation); (Ovary) (Veldhuis, J.D. (49) 249)

Prostate
Prolactin; Ornithine decarboxylase; Polyamines; (Lateral lobe); (Rat) (Rui, H. (50) 89)

5α-Dihydrotestosterone-receptor complex; Steroid-binding protein C3(1) gene (Rushmere, N.K. (51) 259)

Citric acid; Prolactin; Ornithine decarboxylase; Polyamine; (Rat) (Rui, H. (52) 91)

G-Protein
GnRH; Breast cancer; Phospholipase C; Phosphoinositide (Segal, T. (53) 239)

Protein cross-linking
Androgen; Coagulating gland; Glutamyl-lysyl dipeptide (Fawell, S.E. (53) 149)

Protein kinase
Adrenal; (Fetus; Ovine; Development) (Durand, P. (53) 195)

Protein kinase C
Leydig cell; Seminiferous tubule; Phorbol ester; Steroidogenesis; Cyclic AMP; Testosterone; Cryptorchidism (Nikula, H. (49) 39)

Y-organ; Ecdysteroidogenesis; Regulation; Crustaceans (Mattson, M.P. (49) 159)

Prostaglandin $F_{2\alpha}$ synthesis; Granulosa cell; (Activation); (Ovary) (Veldhuis, J.D. (49) 249)

Catalytic property; Receptor binding property; Luteal cytosol; (Swine) (Wheeler, M.B. (50) 123)

Adrenocortical cell; Adenylate cyclase; ACTH; Angiotensin II; Phorbol ester (Brami, B. (50) 131)

Granulosa-luteal cell; (Human); (Activation); cAMP; Progesterone (Jalkanen, J. (51) 273)

Thyroid cell; Phorbol ester; (Response, Pig) (Munari-Silem, Y. (54) 81)

Thyrotrophin; Intracellular calcium; Cyclic AMP; Phorbol ester; Pituitary (Davis, J.R.E. (54) 197)

Protein kinase C secretion
Phosphoprotein; AtT-20 cell; Cyclic AMP-dependent protein kinase (Bishop, J.F. (52) 17)

Protein phosphatase
Glycogen; Hyperglycemia; (Type 1 and Type 2) (Hanley, R.M. (50) 115)

Protein synthesis
Androgen; Hypertrophy; (Skeletal muscle) (Boissonneault, G. (51) 19)

Interferon-γ; RIN-m5F cell line; MHC expression; (Pro)insulin; Cell growth (Campbell, I.L. (52) 161)

Pubertal development; Transcriptional regulation (Brooks, D.E. (53) 59)

Prothoracicotropic hormone
Egg development neurosecretory hormone; Steroidogenic peptides (Whisenton, L.V.R. (50) 3)

Bombyxin; *Bombyx mori*; Monoclonal antibody; Brain neurosecretory cell (Mizoguchi, A. (51) 227)

PTH
Peptide hormone; Secondary structure; Heterologous interaction; Glucagon; Glucagon receptor (Shah, G.V. (49) 203)

Lysine 13; (Structure); (Function) (Zull, J.E. (51) 267)

Pubertal development
Protein synthesis; Transcriptional regulation (Brooks, D.E. (53) 59)

Purification
Progesterone receptor; Affinity labelling; Amino acid sequencing; Microbore HPLC (Simpson, R.J. (52) 177)

Putrescine
Ornithine decarboxylase; Spermidine; Spermine; Prolactin cell; α-Difluoromethylornithine (Persson, L. (51) 219)

Pyruvate kinase
Thyroid; Catecholamine; Glucagon; Insulin; Glucose (Laville, M. (50) 247)

Quin-2
Parafusion system; TRH; PHI; Electrophysiological membrane property; Verapamil; Bay-K8644 (Bjøro, T. (49) 119)

Radioimmunoassay
Inhibin; Granulosa cell; Regulation by hormones and growth factors; (Rat) (Suzuki, T. (54) 185)

Receptor
GnRH (gonadotropin releasing hormone); Testis; Leydig cell; GnRH receptor; Gonadotropin receptor; Lactogen receptor (Huhtaniemi, I.T. (49) 89)

Glucocorticoid receptor structure; Methavanadate ion; Tungstate ion; HeLa S_3 cell (Rossini, G.P. (49) 129)

Development; Glucagon; Liver; Membrane; Hepatocyte; Cyclic AMP; (Rat) (Blázquez, E. (49) 149)

Receptor activation
Molybdate; Acceptor site; Chromatin; Receptor regulation; Hormone action (Cobb, A.D. (52) 51)

Heteromeric receptor structure; Receptor dissociation; Sodium molybdate (Gehring, U. (53) 33)

Receptor binding property
Protein kinase C; Catalytic property; Luteal cytosol; (Swine) (Wheeler, M.B. (50) 123)

Receptor dissociation
Heteromeric receptor structure; Receptor activation; Sodium molybdate (Gehring, U. (53) 33)

Receptor form
Thyroid hormone receptor; Hepatoma cell line; Isoelectric focusing; (Human) (Ichikawa, K. (51) 135)

Receptor regulation
Receptor activation; Molybdate; Acceptor site; Chromatin; Hormone action (Cobb, A.D. (52) 51)

Regulation by hormones and growth factors
Inhibin; Granulosa cell; Radioimmunoassay; (Rat) (Suzuki, T. (54) 185)

Renin activity
Gel electrophoresis; cDNA library; Immunohistochemistry; Hybridization histochemistry; Nucleotide sequence; Angiotensin (Butkus, A. (54) 123)

Renin-angiotensin system
cDNA hybridization; Northern blotting; Kidney; (Isolated) (Ludwig, G. (50) 223)

Reproduction
Copulatory plug; Gene and protein evolution; Immunoblotting; Nucleic acid hybridisation (Fawell, S.E. (50) 107)

RIN-m5F cell line
Interferon-γ; MHC expression; (Pro)insulin; Protein synthesis; Cell growth (Campbell, I.L. (52) 161)

mRNA
Preproenkephalin A; Opioid peptide; Pheochromocytoma; (Human) (Yanase, T. (51) 237)

mRNA^{POMC}
AtT-20 corticotroph; Arginine-vasopressin receptor; ACTH and α-MSH secretion (Lutz-Bucher, B. (53) 161)

Follicular fluid; Pituitary; FSH; LH; Prolactin; Inhibin (Mercer, J.E. (53) 251)

RNA probe
Steroid hormone; Hybridization; (^{35}S-labeled); (in situ) (Parl, F.F. (52) 235)

mRNA purification
Steroid hormone; Coordinate regulation; Estrogen suppression; Gene expression (Holland, L.J. (49) 63)

mRNA, vasopressin
Corpus luteum; Vasopressin; Transcriptional regulation; Lambda gt11 cloning (Mercer, J.E. (53) 255)

Secondary structure
Peptide hormone; Heterologous interaction; Glucagon; PTH; Glucagon receptor (Shah, G.V. (49) 203)

Seminiferous growth factor
Heparin-Sepharose; Microsequencing (Ueno, N. (49) 189)

Seminiferous tubule
Protein kinase C; Leydig cell; Phorbol ester; Steroidogenesis; Cyclic AMP; Testosterone; Cryptorchidism (Nikula, H. (49) 39)

Senescence
Cell proliferation; Growth factor; Follicular cell (Smith, P. (51) 51)

Serotonin
Corpus lutuem; Progesterone; (Bovine) (Battista, P.J. (51) 145)

Sertoli cell
Insulin receptor; IGF-I; Testis (Oonk, R.B. (49) 51)

Androgen; FSH; Paracrine effect (Verhoeven, G. (49) 137)

Inhibin; FSH; cAMP (Bicsak, T.A. (49) 211)

Somatomedin C/insulin-like growth factor 1; Leydig cell; Leydig-tubular cell interaction; Leydig cell differentiation (Benahmed, M. (50) 69)

Leydig cell; Insulin; Somatomedin-C; FSH; Paracrine effect; (Coculture) (Perrard-Sapori, M.H. (50) 193)

Peritubular cell; (Translation level) (Hutson, J.C. (52) 11)

Inhibin; Immunocytochemistry; Granulosa cell; Placenta (Merchenthaler, I. (54) 239)

Sertoli cell secretion
Testicular peritubular cell; Extracellular matrix; Vectorial secretion; Androgen binding protein; Transferrin; (In vitro) (Janecki, A. (52) 125)

Sex accessory tissue
Urogenital sinus; Testosterone; Glycosylation (Mills, J.S. (53) 111)

Sialic acid residue
Angiotensinogen; Isoelectric focusing; Sodium dodecyl sulfate-disc electrophoresis; Concanavalin A-Sepharose; Neuraminidase treatment; (Rat) (Hilgenfeldt, U. (51) 211)

Signal transduction
Guanine nucleotide binding protein; Review (Spiegel, A.M. (49) 1)

Skeletal muscle
Hypertrophy; Androgen; Protein synthesis (Boissonneault, G. (51) 19)

Sodium conductance
Prolactin; Pituitary; Flow cytometry; Action potential; Calcium conductance; Electrophysiology (Chen, G.-G. (51) 201)

Sodium dodecyl sulfate-disc electrophoresis
Angiotensinogen; Isoelectric focusing; Concanavalin A-Sepharose; Neuraminidase treatment; Sialic acid residue; (Rat) (Hilgenfeldt, U. (51) 211)

Sodium molybdate
Heteromeric receptor structure; Receptor activation; Receptor dissociation (Gehring, U. (53) 33)

Sodium transport
Calcitriol; Organ-cultured intestine; Ionophore A23187; Epithelial tight junction; Paracellular transport (Cross, H.S. (53) 53)

Soluble GH-binding protein
Somatotrophic receptor; Growth hormone heterogeneity; Affinity chromatography (Herington, A.C. (53) 203)

Somatomedin C
Breast cancer cell; Insulin-like growth factor; Binding protein (Minuto, F. (54) 179)

Leydig cell; Sertoli cell; Insulin; FSH; Paracrine effect; (Coculture) (Perrard-Sapori, M.H. (50) 193)

Somatomedin C/insulin-like growth factor 1
Sertoli cell; Leydig cell; Leydig-tubular cell interaction; Leydig cell differentiation (Benahmed, M. (50) 69)

Somatostatin
Phenol red; Prolactin release and synthesis; 17β-Estradiol; Tamoxifen; Lactotroph responsiveness; Dopamine; TRH (Hofland, L.J. (54) 43)

Somatotrophic receptor
Soluble GH-binding protein; Growth hormone heterogeneity; Affinity chromatography (Herington, A.C. (53) 203)

Somatotropin receptor
Cross-linking; Bovine growth hormone (Badinga, L. (52) 85)

Spermidine
Ornithine decarboxylase; Putrescine; Spermine; Prolactin cell; α-Difluoromethylornithine (Persson, L. (51) 219)

Spermine
Ornithine decarboxylase; Putrescine; Spermidine; Prolactin cell; α-Difluoromethylornithine (Persson, L. (51) 219)

S-phase
Cell cycle; DNA synthesis; G_1; Phosphoprotein synthesis (Linebaugh, B.E. (52) 227)

Steroid
Immunology; Steroid receptor; Immunoelectron microscopy (Ylikomi, T.J. (52) 35)

Spleen
Follitropin; (Radiolabeled); (Deglycosylated); Ovary; Kidney; Liver; (Uptake); (Autoradiography) (Sebok, K. (52) 185)

Steroid-binding protein C3(1) gene
5α-Dihydrotestosterone-receptor complex; (Prostate) (Rushmere, N.K. (51) 259)

Steroid hormone
Coordinate regulation; Estrogen suppression; Gene expression; mRNA purification (Holland, L.J. (49) 63)

RNA probe; Hybridization; (^{35}S-labeled); (in situ) (Parl, F.F. (52) 235)

Steroid hormone action
Messenger RNA; Transcription; Antiestrogen; Egg protein; Culture shock (Marsh, J. (53) 141)

Steroid hydroxylase
Adrenal; Gene expression; (Fetal) (John, M.E. (50) 263)

Steroidogenesis
Protein kinase C; Leydig cell; Seminiferous tubule; Phorbol ester; Cyclic AMP; Testosterone; Cryptorchidism (Nikula, H. (49) 39)

Progesterone production; Estradiol; 2-Hydroxyestradiol; Follicle stimulating hormone; (Ovarian) (Spicer, L.J. (50) 139)

Steroidogenic peptides
Egg development neurosecretory hormone; Prothoracicotropic hormone (Whisenton, L.V.R. (50) 3)

Steroid receptor
Steroid; Immunology; Immunoelectron microscopy (Ylikomi, T.J. (52) 35)

Streptozotocin
Urea synthesis; Obesity; N excretion; Urea cycle enzyme; (cafeteria-fed rat) (Barber, T. (50) 15)

Tamoxifen
Phenol red; Prolactin release and synthesis; 17β-Estradiol; Lactotroph responsiveness; Dopamine; TRH; Somatostatin (Hofland, L.J. (54) 43)

Testicular feminization
Androgen receptor abnormality (Stamatiadis, D. (54) 141)

Testicular peritubular cell
Sertoli cell secretion; Extracellular matrix; Vectorial secretion; Androgen binding protein; Transferrin; (In vitro) (Janecki, A. (52) 125)

Testis
Sertoli cell; Insulin receptor; IGF-I (Oonk, R.B. (49) 51)

GnRH (gonadotropin releasing hormone); Receptor; Leydig cell; GnRH receptor; Gonadotropin receptor; Lactogen receptor (Huhtaniemi, I.T. (49) 89)

Leydig cell; LH receptor; (Internalization); (Recycling); (Temperature sensitivity); (Rat) (Habberfield, A.D. (51) 153)

Anti-PRL receptor antibody; Prolactin; Leydig cell; Testosterone; hCG (Barkey, R.J. (52) 71)

Neutrophil granulocyte antiserum; Testosterone; (Interstitial fluid); (Blood flow) (Widmark, A. (53) 25)

Testosterone
Protein kinase C; Leydig cell; Seminiferous tubule; Phorbol ester; Steroidogenesis; Cyclic AMP; Cryptorchidism (Nikula, H. (49) 39)

Leydig cell; Progesterone; Interstitial fluid factor; Paracrine control; hCG desensitization; (Culture) (Sharpe, R.M. (51) 105)

Insulin-like growth factor-I; Leydig cell (Kasson, B.G. (52) 27)

Prolactin; Leydig cell; hCG; AntiPRL receptor antibody; (Testis) (Barkey, R.J. (52) 71)

Neutrophil granulocyte antiserum; (Testes); (Interstitial fluid); (Blood flow) (Widmark, A. (53) 25)

Urogenital sinus; Glycosylation; Sex accessory tissue (Mills, J.S. (53) 111)

Theca-interstitial cell
Ovary; Granulosa cell; Ovulation; Plasminogen activator (Liu, Y.-X. (54) 221)

Thecal cell
Estrogen; Androstenedione; Follicle; (Pig) (Hunter, M.G. (50) 165)

Thermogenesis
Ciglitazone; Insulin; Brown adipose tissue; Energy balance (Rothwell, N.J. (51) 253)

Thyroglobulin
TSH; cAMP; Intralysosomal hydrolysis; Thyroid (Fouchier, F. (49) 25)

Thyroid cell; Thyroid ovine; Propylthiouracil; Methimazole; Molecular electron microscopy (Delain, E. (49) 173)

Thyroid slice; (Release); (Modulation); (Dog) (Unger, J. (52) 115)

Thyroid; Insulin; Hydrocortisone; TSH; cAMP; (Cell line) (Aouani, A. (52) 151)

Thyroid
TSH; cAMP; Intralysosomal hydrolysis; Thyroglobulin (Fouchier, F. (49) 25)

Catecholamine; Glucagon; Insulin; Glucose; Pyruvate kinase (Laville, M. (50) 247)

Calcium flux (Mockel, J. (51) 95)

Thyroglobulin; Insulin; Hydrocortisone; TSH; cAMP; (Cell line) (Aouani, A. (52) 151)

Thyrotropin; Inositol phosphate; Cyclic AMP (Laurent, E. (52) 273)

Microsomal antigen; Thyroid peroxidase; Thyroid autoimmunity (Nakajima, Y. (53) 15)

Thyrotropin; Pertussis toxin; Polyphosphoinositide; Epinephrine; α_1-Adrenergic agonist (Berman, M.I. (54) 151)

Thyroid autoimmunity
Thyroid; Microsomal antigen; Thyroid peroxidase (Nakajima, Y. (53) 15)

Thyroid cell
Thyroid ovine; Propylthiouracil; Methimazole; Thyroglobulin; Molecular electron microscopy (Delain, E. (49) 173)

(Human); Transfection; Immortalisation; Thyrotrophin (Whitley, G.StJ. (52) 279)

Protein kinase C; Phorbol ester; (Response, Pig) (Munari-Silem, Y. (54) 81)

Thyroid follicle cell
Immunocytochemistry; Thyroid microsomal antigen; Autoantibody; Cell membrane; Microdomain; Autoimmunity (Nilsson, M. (53) 177)

Thyroid hormone receptor
C6 cell; Down-regulation (Ortiz-Caro, J. (49) 255)

Hepatoma cell line; Isoelectric focusing; Receptor form; (Human) (Ichikawa, K. (51) 135)

Nuclear T_3 binding protein; (Molecular weight) (Jaffe, R.C. (52) 137)

Thyroid microsomal antigen
Immunocytochemistry; Autoantibody; Cell membrane; Microdomain; Thyroid follicle cell; Autoimmunity (Nilsson, M. (53) 177)

Thyroid peroxidase
Thyroid; Microsomal antigen; Thyroid autoimmunity (Nakajima, Y. (53) 15)

Thyroid slice
Thyroglobulin; (Release); (Modulation); (Dog) (Unger, J. (52) 115)

Thyrotropin
Thyroid; Inositol phosphate; Cyclic AMP (Laurent, E. (52) 273)

Thyroid cell; (Human); Transfection; Immortalisation (Whitley, G.StJ. (52) 279)

Clonal cell line; Growth factor; Cyclic AMP (Brandi, M.L. (54) 91)

Thyroid; Pertussis toxin; Polyphosphoinositide; Epinephrine; α_1-Adrenergic agonist (Berman, M.I. (54) 151)

Intracellular calcium; Cyclic AMP; Protein kinase C; Phorbol ester; Pituitary (Davis, J.R.E. (54) 197)

3T3-L1 adipocyte
Glutamine synthetase; Gene transcription; (Regulation) (Bhandari, B. (51) 7)

T3
Pituitary T3 receptor; TSH secretion; (Sex); (Age) (Donda, A. (54) 29)

Transcription
Steroid hormone action; Messenger RNA; Antiestrogen; Egg protein; Culture shock (Marsh, J. (53) 141)

Transcriptional regulation
Pubertal development; Protein synthesis (Brooks, D.E. (53) 59)

Corpus luteum; Vasopressin; mRNA, vasopressin; Lambda gt11 cloning (Mercer, J.E. (53) 255)

Transfection
Thyroid cell; (Human); Immortalisation; Thyrotropin (Whitley, G.StJ. (52) 279)

Transferrin
Testicular peritubular cell; Sertoli cell secretion; Extracellular matrix; Vectorial secretion; Androgen binding protein; (In vitro) (Janecki, A. (52) 125)

TRH
Parafusion system; PHI; Adenylate cyclase, Quin-2; Electrophysiological membrane property; Verapamil; Bay-K 8644 (Bjøro, T. (49) 119)

Intermediate lobe; Desensitization; Melanotropin; Cycloheximide; Monensin; Perifusion; (Pituitary); (Amphibians) (Lamacz, M. (50) 203)

Phenol red; Prolactin release and synthesis; 17β-Estradiol; Tamoxifen; Lactotroph responsiveness; Dopamine; Somatostatin (Hofland, L.J. (54) 43)

Triiodothyronine
Glucose-6-phosphate dehydrogenase; (Regulation) (Scott Fritz, R. (51) 13)

Triiodothyronine binding to calcium-calmodulin
Cyclic AMP phosphodiesterase inhibition (Rao, G.S. (53) 45)

TSH
cAMP; Intralysosomal hydrolysis; Thyroglobulin; Thyroid (Fouchier, F. (49) 25)

Pineal organ culture; FSH; LH; Growth hormone; Prolactin; ACTH (Vacas, M.I. (50) 23)

Epithelial cell proliferation; Growth factor; Permissive factor (Williams, D.W. (51) 33)

Growth control; Cyclic nucleotide; Insulin; Forskolin; Cholera toxin (Wynford-Thomas, D. (51) 163)

Thyroid; Thyroglobulin; Insulin; Hydrocortisone; cAMP; (Cell line) (Aouani, A. (52) 151)

TSH receptor
Iodide pump; Amiloride; Mitogenesis (Waters, M.J. (49) 109)

TSH secretion
Pituitary T3 receptor; T3, pituitary; (Sex); (Age) (Donda, A. (54) 29)

TT cell
cAMP; Calcitonin; Calcitonin gene-related peptide; Phorbol ester (Cote, G.J. (53) 211)

Tubulin
Pituitary; Prolactin; (Suckling); (Rat) (Ravindra, R. (54) 231)

Tungstate ion
Glucocorticoid receptor structure; Receptor; Methavanadate ion; HeLa S_3 cell (Rossini, G.P. (49) 129)

Tyrosine kinase
Insulin receptor; Anti-insulin receptor antibody (Gherzi, R. (53) 9)

Tyrosine protein kinase
EGF; EGF receptor; Growth factor; Oncogene; Cell proliferation (Gill, G.N. (51) 169)

Urea cycle enzyme
Urea synthesis; Obesity; N excretion; Streptozotocin; (cafeteria-fed rat) (Barber, T. (50) 15)

Urea synthesis
Obesity; N excretion; Streptozotocin; Urea cycle enzyme; (cafeteria-fed rat) (Barber, T. (50) 15)

Urogenital sinus
Testosterone; Glycosylation; Sex accessory tissue (Mills, J.S. (53) 111)

Uterus
Hormone release; Pregnancy; Endometrium (Handwerger, S. (50) 99)

Activation factor; Estrogen receptor; (Molecular variants); (Goat) (Thampan, R.V. (53) 119)

Vasopressin
Angiotensin; α_1-Adrenergic receptor; Golgi fraction; (Liver) (Cantau, B. (51) 59)

Hypothyroidism; Glucagon; Angiotensin II; α_1-Adrenergic antagonist; Hormonal receptor; (Developing liver); (Plasma level) (Ali, M. (51) 115)

Corpus luteum; mRNA, vasopressin; Transcriptional regulation; Lambda gt11 cloning (Mercer, J.E. (53) 255)

Vectorial secretion
Testicular peritubular cell; Sertoli cell secretion; Extracellular matrix; Androgen binding protein; Transferrin; (In vitro) (Janecki, A. (52) 125)

Ventricular cardiocyte
Atrial natriuretic factor; Atrial cardiocyte; (Culture) (Cantin, M. (52) 105)

Verapamil
Parafusion system; TRH; PHI; Adenylate cyclase, Quin-2; Electrophysiological membrane property; Bay-K 8644 (Bjøro, T. (49) 119)

Vitamin D
Calcium binding protein; Dexamethasone (Hall, A.K. (51) 25)

Cyclic AMP; Lymphocyte (Rubin, J.E. (52) 213)

Y-organ
Protein kinase C; Ecdysteroidogenesis; Regulation; Crustaceans (Mattson, M.P. (49) 159)

Molecular and Cellular Endocrinology, 54 (1987) 273–282
Elsevier Scientific Publishers Ireland, Ltd.

Author Index to Volumes 49–54 (1987)

Abe, Y., see Suzuki, T. (54) 185
Adezati, L., see Gherzi, R. (53) 9
Ali, M., Cantau, B., Chicot, D. and Clos, J.
Comparative study of the developmental patterns of vasopressin, glucagon, angiotensin II, and α_1-adrenergic receptors in the liver of developing and adult hypothyroid rats (51) 115
Amit, T., Barkey, R.J., Guy, J. and Youdim, M.B.H.
Specific binding sites for prolactin and growth hormone in the adult rabbit lung (49) 17
Amit, T., see Barkey, R.J. (52) 71
Andraghetti, G., see Gherzi, R. (53) 9
Aouani, A., Hovsépian, S. and Fayet, G.
cAMP dependent and independent regulation of thyroglobulin synthesis by two clones of the OVNIS 6H thyroid cell line (52) 151
Aouani, A., see Delain, E. (49) 173
Applebaum, S.W., see Gadot, M. (49) 99
Aranda, A., see Ortiz-Caro, J. (49) 255
Armstrong, D.T., see Hunter, M.G. (50) 165
Arndt, H., see Gehring, U. (53) 33
Ashcroft, S.J.H., see Hughes, S.J. (50) 231
Ashkenazi, A., Madar, Z. and Gertler, A.
Partial purification and characterization of bovine mammary gland prolactin receptor (50) 79
Audebet, C., see Munari-Silem, Y. (54) 81

Badinga, L., Collier, R.J., Thatcher, W.W., Quintana, S.J. and Bazer, F.W.
Covalent coupling of bovine growth hormone to its receptor in bovine liver membranes (52) 85
Baird, A., see Ueno, N. (49) 189
Baldi, A., see Crespi, M.D. (53) 221
Ballmann, M., see Nau, R. (52) 97
Barber, T., Estornell, E., Estelles, R., Gomez, D. and Cabo, J.
Studies on the role of insulin in N metabolism changes in cafeteria-fed rats (50) 15
Barker, J.L., see Chen, G.-G. (51) 201
Barkey, R.J., Weiss-Messer, E., Mandel, S., Gahnem, F. and Amit, T.
Prolactin and antiprolactin receptor antibody inhibit steroidogenesis by purified rat Leydig cells in culture (52) 71
Barkey, R.J., see Amit, T. (49) 17
Barreca, A., see Minuto, F. (54) 179
Bashey, H.M., see Snyder, P.J. (54) 115
Bastiani, P., see Fouchier, F. (49) 25
Battista, P.J., Rexroad, Jr., C.E. and Condon, W.A.
Mechanisms involved in the action of serotonin-induced stimulation of progesterone production by bovine luteal cells in vitro (51) 145
Bautista, A.P., Fletcher, D.J. and Volkman, A.
Down-regulation of insulin receptors in *Propionibacterium acnes*-activated macrophages in the mouse (50) 59
Bazer, F.W., see Badinga, L. (52) 85
Befort, J.J., see Leseney, A.M. (52) 1
Befort, N., see Leseney, A.M. (52) 1
Bégin-Heick, N.
The response of adenylate cyclase to ACTH in adipocyte membranes of lean and obese mice (53) 1
Bélisle, S., Lehoux, J.-G., Bellabarba, D., Gallo-Payet, N. and Guévin, J.-F.
Dynamics of LHRH binding to human term placental cells from normal and anencephalic gestations (49) 195
Bellabarba, D., see Bélisle, S. (49) 195
Bellino, F.L., Tseng, L. and Lobo, J.O.
Antisera against estrogen synthetase from human placental microsomes. Antibody characterization and cross-reactivity studies in other organs (52) 143
Benahmed, M., Morera, A.M., Chauvin, M.C. and De Peretti, E.
Somatomedin C/insulin-like growth factor 1 as a possible intratesticular regulator of Leydig cell activity (50) 69
Benmiloud, M., see Leseney, A.M. (52) 1
Bergh, A., see Widmark, A. (53) 25
Berman, M.I., Thomas, Jr., C.G. and Nayfeh, S.N.
Stimulation of inositol phosphate formation in FRTL-5 rat thyroid cells by catecholamines and its relationship to changes in $^{45}Ca^{2+}$ efflux and cyclic AMP accumulation (54) 151
Berthon, P., Katoh, M., Dusanter-Fourt, I., Kelly, P.A. and Djiane, J.
Purification of prolactin receptors from sow mammary gland and polyclonal antibody production (51) 71
Bertics, P.J., see Gill, G.N. (51) 169
Bertolini, J. and Hearn, M.T.W.
Isolation, characterisation and tissue localisation of an N-terminal-truncated variant of fibroblast growth factor (51) 187
Bethea, C.L., Rønnekleiv, O.K. and Kozak, S.L.
Extracellular matrix changes PC12 cell shape and processing of newly synthesized dopamine (54) 63
Bethea, C.L.
Glucocorticoid stimulation of dopamine production in PC12 cells on extracellular matrix and plastic (50) 211
Beylot, M., see Laville, M. (50) 247
Bhandari, B. and Miller, R.E.
Glutamine synthetase gene transcription in cultured 3T3-L1

0303-7207/87/$03.50 © 1987 Elsevier Scientific Publishers Ireland, Ltd.

adipocytes: regulation by dexamethasone, insulin and dibutyryl cyclic AMP (51) 7
Bicsak, T.A., Vale, W., Vaughan, J., Tucker, E.M., Cappel, S. and Hsueh, A.J.W.
Hormonal regulation of inhibin production by cultured Sertoli cells (49) 211
Bishop, J.E., see Hall, A.K. (51) 25
Bishop, J.F., Farah, J.M., Patel, J. and O'Donohue, T.L.
Activation of distinct second messenger systems in anterior pituitary corticotrophic tumor cells alters the phosphorylation states of both shared and distinct cytosolic proteins (52) 17
Bjøro, T., Østberg, B.C., Sand, O., Gordeladze, J., Iversen, J.-G., Torjesen, P.A., Gautvik, K.M. and Haug, E.
Vasoactive intestinal peptide and peptide with N-terminal histidine and C-terminal isoleucine increase prolactin secretion in cultured rat pituitary cells (GH_4C_1) via a cAMP-dependent mechanism which involves transient elevation of intracellular Ca^{2+} (49) 119
Blázquez, E., Perez Castillo, A. and De Diego, J.G.
Characterization of glucagon receptors in liver membranes and isolated hepatocytes during rat ontogenic development (49) 149
Blondeau, J.-P., see Stamatiadis, D. (54) 141
Boissonneault, G., Gagnon, J., Ho-Kim, M.A. and Tremblay, R.R.
Lack of effect of anabolic steroids on specific mRNAs of skeletal muscle undergoing compensatory hypertrophy (51) 19
Bollenbacher, W.E., see Whisenton, L.R. (50) 3
Bollenbacher, W.E., see Whisenton, L.R. (54) 171
Bons, E.G., see Lamberts, S.W.J. (52) 243
Bourke, J.R., see Waters, M.J. (49) 109
Brami, B., Vilgrain, I. and Chambaz, E.M.
Sensitization of adrenocortical cell adenylate cyclase activity to ACTH by angiotensin II and activators of protein kinase C (50) 131
Brandi, A.M., see Bression, D. (50) 255
Brandi, M.L., Rotella, C.M., Mavilia, C., Franceschelli, F., Tanini, A. and Toccafondi, R.
Insulin stimulates cell growth of a new strain of differentiated rat thyroid cells (54) 91
Brenner, R.R., see Mandon, E.C. (51) 127
Bression, D., Chaumet-Riffaud, P., Brandi, A.M., Comte, A., Peillon, F. and Kiechel, J.R.
Binding of (+)-PN 200–110 to rat pituitaries and to normal and adenomatous human pituitaries (50) 255
Brooks, D.E.
Developmental expression and androgenic regulation of the mRNA for major secretory proteins of the rat epididymis (53) 59
Brownie, A.C., see Pedersen, R.C. (50) 149
Brownie, A.C., see Pedersen, R.C. (50) 157
Brussaard, A.B., see De Graan, P.N.E. (51) 87
Budnik, L.T. and Mukhopadhyay, A.K.
Desensitisation of LH-stimulated cyclic AMP accumulation in isolated bovine luteal cells — effect of phorbol ester (54) 51
Budzik, G.P., see Coughlin, J.P. (49) 75
Burger, H.G., see Zhiwen, Z. (54) 213
Busch, W., see Gehring, U. (53) 33
Butkus, A., Roche, P.J., Fernley, R.T., Haralambidis, J., Penschow, J.D., Ryan, G.B., Trahair, J.F., Tregear, G.W. and Coghlan, J.P.
Purification and cloning of a corpuscles of Stannius protein from *Anguilla australis* (54) 123

Cabo, J., see Barber, T. (50) 15
Cailleau, J., see Verhoeven, G. (49) 137
Cajander, S.B., see Liu, Y.-X. (54) 221
Calvo, J.C., see Crespi, M.D. (53) 221
Campbell, I.L., Oxbrow, L. and Harrison, L.C.
Interferon-γ: pleiotropic effects on a rat pancreatic beta cell line (52) 161
Cantau, B., Guillemette, G., Chicot, D. and Devilliers, G.
Vasopressin, angiotensin and adrenergic receptors of rat liver Golgi fractions – Molecular weight of the angiotensin-receptor irreversible complex after in vitro and in vivo labelling (51) 59
Cantau, B., see Ali, M. (51) 115
Cantin, M., Ding, J., Thibault, G., Gutkowska, J., Salmi, L., Garcia, R. and Genest, J.
Immunoreactive atrial natriuretic factor is present in both atria and ventricles (52) 105
Cantin, M., see Sebok, K. (52) 185
Cappel, S., see Bicsak, T.A. (49) 211
Cardinali, D.P., see Vacas, M.I. (50) 23
Carr, B.R., see John, M.E. (50) 263
Carson, R.S., see Zhiwen, Z. (54) 213
Cary, D.A. and Mendelsohn, F.A.O.
Effect of forskolin, isoproterenol and IBMX on angiotensin converting enzyme and cyclic AMP production by cultured bovine endothelial cells (53) 103
Cary, D.A., see Lloyd, C.J. (52) 219
Casey, M.L., Mitchell, M.D. and MacDonald, P.C.
Epidermal growth factor-stimulated prostaglandin E_2 production in human amnion cells: specificity and nonesterified arachidonic acid dependency (53) 169
Catherwood, B.D., see Rubin, J.E. (52) 213
Cavener, D.R., see Parl, F.F. (52) 235
Chambaz, E.M., see Brami, B. (50) 131
Chambaz, E.M., see Durand, P. (53) 195
Charreau, E.H., see Crespi, M.D. (53) 221
Chatelain, P.C., see Perrard-Sapori, M.H. (50) 193
Chaumet-Riffaud, P., see Bression, D. (50) 255
Chauvin, M.C., see Benahmed, M. (50) 69
Chen, G.-G., St. John, P.A. and Barker, J.L.
Rat lactotrophs isolated by fluorescence-activated cell sorting are electrically excitable (51) 201
Chicot, D., see Ali, M. (51) 115
Chicot, D., see Cantau, B. (51) 59
Christie, M.R., see Hughes, S.J. (50) 231
Chuang, J., see Zull, J.E. (51) 267
Clark, M.R., see Huslig, R.L. (50) 237
Clarke, I.J., see Mercer, J.E. (53) 251
Clayton, R.N., see Huhtaniemi, I.T. (49) 89

Clements, J.A., see Mercer, J.E. (53) 251
Clos, J., see Ali, M. (51) 115
Cobb, A.D. and Leavitt, W.W.
Characterization of chromatin binding sites for different forms of uterine progesterone receptor (52) 51
Coghlan, J.P., see Butkus, A. (54) 123
Cojocaru, M., see Gadot, M. (49) 99
Cole, L.A.
Distribution of O-linked sugar units on hCG and its free α-subunit (50) 45
Collier, R.J., see Badinga, L. (52) 85
Comte, A., see Bression, D. (50) 255
Comte, B., see Laville, M. (50) 247
Condon, W.A., see Battista, P.J. (51) 145
Conlon, J.M., see Nau, R. (52) 97
Conn, P.M., see Gorospe, W.C. (53) 131
Conti, M., see Monaco, L. (49) 227
Cooke, B.A.
The 50th Volume Anniversary – Reflections and future developments of *Molecular and Cellular Endocrinology* (50) 1
Cooke, B.A., see Habberfield, A.D. (51) 153
Cooper, I., see Sharpe, R.M. (51) 105
Corbani, M., see Lerrant, Y. (54) 23
Corbin, C.J., see Simpson, E.R. (52) 267
Cordera, R., see Gherzi, R. (53) 9
Corradino, R.A., see Cross, H.S. (53) 53
Costello, A., see Handwerger, S. (50) 99
Cote, G.J., Gould, J.A., Huang, S.-C.E. and Gagel, R.F.
Studies of short-term secretion of peptides produced by alternative RNA processing (53) 211
Coughlin, J.P., Donahoe, P.K., Budzik, G.P. and MacLaughlin, D.T.
Müllerian inhibiting substance blocks autophosphorylation of the EGF receptor by inhibiting tyrosine kinase (49) 75
Counis, R., see Lerrant, Y. (54) 23
Couture-Tosi, E., see Delain, E. (49) 173
Cox, D.L., see Parl, F.F. (52) 235
Crespi, M.D., Radicella, J.P., Baldi, A., Charreau, E.H. and Calvo, J.C.
DNA topoisomerase I from Leydig cells is modulated by luteinizing hormone and cyclic adenosine monophosphate (53) 221
Cronrath, C., see Rao, G.S. (53) 45
Cross, H.S., Corradino, R.A. and Peterlik, M.
Calcitriol-dependent, paracellular sodium transport in the embryonic chick intestine (53) 53
Culler, M.D., see Merchenthaler, I. (54) 239

Damber, J.-E., see Widmark, A. (53) 25
Dang, J., see Fouchier, F. (49) 25
Danger, J.-M., see Lamacz, M. (50) 203
Davies, P., see Rushmere, N.K. (51) 259
Davies Jones, E., see Nakajima, Y. (53) 15
Davis, J.R.E. and Sheppard, M.C.
Mechanisms of TSH release: studies with forskolin, phorbol ester and A23187 (54) 197
De Diego, J.G., see Blázquez, E. (49) 149
De Gómez Dumm, I.N.T., see Mandon, E.C. (51) 127
De Graan, P.N.E., Brussaard, A.B., Gamboni, G., Girard, J. and Eberle, A.N.
α-MSH-induced changes in protein phosphorylation of Cloudman S91 mouse melanoma cells (51) 87
DeGroot, L.J., see Ichikawa, K. (51) 135
Delain, E., Aouani, A., Vignal, A., Couture-Tosi, E., Hovsépian, S. and Fayet, G.
The structure of tissue on cell culture-extracted thyroglobulin is independent of its iodine content (49) 173
Delcroix, C., see Mockel, J. (51) 95
Del Monte, P., see Minuto, F. (54) 179
Demarne, Y., see Guesnet, P. (50) 177
Demers, L.M., see Veldhuis, J.D. (49) 249
Denef, C., see Maertens, P. (54) 203
Den Holder, A., see Hofland, L.J. (54) 43
De Peretti, E., see Benahmed, M. (50) 69
De Pirro, R., see Gherzi, R. (53) 9
Desbuquois, B., see Postel-Vinay, M.C. (52) 199
Detta, A., see Huhtaniemi, I.T. (49) 89
Devilliers, G., see Cantau, B. (51) 59
Dhariwal, M.S., see Privalle, C.T. (53) 87
Ding, J., see Cantin, M. (52) 105
Dix, C.J., see Habberfield, A.D. (51) 153
Djiane, J., see Berthon, P. (51) 71
Djiane, J., see Jahn, G.A. (52) 205
Djiane, J., see Ymer, S.I. (53) 67
Docherty, K., see Wood, D.F. (52) 257
Donahoe, P.K., see Coughlin, J.P. (49) 75
Donda, A., Reymond, M.J., Zürich, M.G. and Lemarchand-Béraud, T.
Influence of sex and age on T3 receptors and T3 concentration in the pituitary gland of the rat: consequences on TSH secretion (54) 29
Duda, T., see Trzeciak, W.H. (52) 43
Dumont, J.E., see Laurent, E. (52) 273
Dumont, J.E., see Mockel, J. (51) 95
Durand, P., Vilgrain, I., Chambaz, E.M. and Saez, J.M.
Changes in protein kinase activities in lamb adrenals at late gestation and early postnatal stages (53) 195
Dusanter-Fourt, I., see Berthon, P. (51) 71

Eberle, A.N., see De Graan, P.N.E. (51) 87
Enyedi, P. and Spät, A.
The mechanism of angiotensin-induced desensitization of adrenal glomerulosa cells (51) 83
Epand, R.M., see Shah, G.V. (49) 203
Ericson, L.E., see Nilsson, M. (53) 177
Esch, F., see Ueno, N. (49) 189
Estelles, R., see Barber, T. (50) 15
Estornell, E., see Barber, T. (50) 15
Etchegoyen, G.S., see Vacas, M.I. (50) 23
Evans, C.T., see Simpson, E.R. (52) 267

Farah, J.M., see Bishop, J.F. (52) 17
Farnsworth, D.E., see Feyereisen, R. (53) 227
Fasching, U., see Ludwig, G. (50) 223
Fawell, S.E. and Higgins, S.J.

Formation of rat copulatory plug: purified seminal vesicle secretory proteins serve as transglutaminase substrates (53) 149
Fawell, S.E., McDonald, C.J. and Higgins, S.J.
Comparison of seminal vesicle secretory proteins of rodents using antibody and nucleotide probes (50) 107
Fayet, G., see Aouani, A. (52) 151
Fayet, G., see Delain, E. (49) 173
Fernley, R.T., see Butkus, A. (54) 123
Feyereisen, R. and Farnsworth, D.E.
Characterization and regulation of HMG-CoA reductase during a cycle of juvenile hormone synthesis (53) 227
Findlay, J.K., see Zhiwen, Z. (54) 213
Fletcher, D.J., see Bautista, A.P. (50) 59
Fouchier, F., Bastiani, P. and Dang, J.
Intralysosomal hydrolysis of thyroglobulin: specific and cAMP-mediated activation by TSH (49) 25
Franceschelli, F., see Brandi, M.L. (54) 91
Freidenberg, G.R., see Gherzi, R. (53) 9
Fujino, M., see Mizoguchi, A. (51) 227
Fukuda, M., Miyamoto, K., Hasegawa, Y., Ibuki, Y. and Igarashi, M.
Action mechanism of inhibin in vitro — Cycloheximide mimics inhibin actions on pituitary cells (51) 41
Funder, J.W., see Mercer, J.E. (53) 251

Gadot, M., Goldman, A., Cojocaru, M. and Applebaum, S.W.
The intrinsic synthesis of juvenile hormone-III diol by locust corpora allata in vitro (49) 99
Gagel, R.F., see Cote, G.J. (53) 211
Gagnon, J., see Boissonneault, G. (51) 19
Gahnem, F., see Barkey, R.J. (52) 71
Gallo-Payet, N., see Bélisle, S. (49) 195
Gamboni, G., see De Graan, P.N.E. (51) 87
Ganten, D., see Ludwig, G. (50) 223
Garcia, R., see Cantin, M. (52) 105
Gatewood, C.V., see Snyder, P.J. (54) 115
Gautvik, K.M., see Bjøro, T. (49) 119
Gehring, U., Mugele, K., Arndt, H. and Busch, W.
Subunit dissociation and activation of wild-type and mutant glucocorticoid receptors (53) 33
Genest, J., see Cantin, M. (52) 105
Gertler, A., see Ashkenazi, A. (50) 79
Gherzi, R., Cordera, R., Andraghetti, G., De Pirro, R., Freidenberg, G.R., Lauro, R. and Adezati, L.
Regulation of insulin receptor-associated tyrosine kinase by a polyclonal IgG (53) 9
Gill, G.N., Bertics, P.J. and Santon, J.B.
Epidermal growth factor and its receptor (51) 169
Giordano, G., see Minuto, F. (54) 179
Girard, J., see De Graan, P.N.E. (51) 87
Giraud, A.S., Smith, A.I. and Rundle, S.E.
Distribution and molecular forms of immunoreactive bombesin in the ovine median eminence (53) 245
Giroix, M.-H., Sener, A. and Malaisse, W.J.
Hexose metabolism in pancreatic islets. Absence of glucose-6-phosphatase in rat islet cells (49) 219
Goldman, A., see Gadot, M. (49) 99
Goldman, J., Pfister, D. and Vukmirovich, R.
Potentiation of insulin stimulation of hexose transport by kallikrein and bradykinin in isolated rat adipocytes (50) 183
Gomez, D., see Barber, T. (50) 15
Gómez Dumm, C.L.A., see Mandon, E.C. (51) 127
Gordeladze, J., see Bjøro, T. (49) 119
Gorospe, W.C. and Conn, P.M.
Membrane fluidity regulates development of gonadotrope desensitization to GnRH (53) 131
Gould, J.A., see Cote, G.J. (53) 211
Govindan, M.V., see Simpson, R.J. (52) 177
Graff, I., see Laurent, E. (52) 273
Granger, N.A. and Janzen, W.P.
Inhibition of *Manduca sexta* corpora allata in vitro by a cerebral allatostatic neuropeptide (49) 237
Granger, N.A., see Whisenton, L.R. (54) 171
Grego, B., see Simpson, R.J. (52) 177
Gronemeyer, H., see Simpson, R.J. (52) 177
Grootegoed, J.A., see Oonk, R.B. (49) 51
Grossmann, D., see Spindler, K.-D. (52) 81
Grosvenor, C.E., see Ravindra, R. (54) 231
Guesnet, P., Massoud, M. and Demarne, Y.
Effects of pregnancy and lactation on lipolysis of ewe adipocytes induced by β-adrenergic stimulation (50) 177
Guévin, J.-F., see Bélisle, S. (49) 195
Guillemette, G., see Cantau, B. (51) 59
Guillemin, R., see Ueno, N. (49) 189
Gutkowska, J., see Cantin, M. (52) 105
Guy, J., see Amit, T. (49) 17

Habberfield, A.D., Dix, C.J. and Cooke, B.A.
Effects of lutropin (LH) receptor internalization and recycling on the apparent numbers of LH receptors in rat testis Leydig cells at different temperatures (51) 153
Hackenthal, E., see Ludwig, G. (50) 223
Haji, M., see Yanase, T. (51) 237
Hall, A.K., Bishop, J.E. and Norman, A.W.
Inhibitory and stimulatory effects of dexamethasone and 1,25-dihydroxyvitamin D_3 on chick intestinal calbindin-D_{28K} and its mRNA (51) 25
Hall, A.K., see Theofan, G. (54) 135
Hamberger, B., see Selstam, G. (53) 155
Hamberger, L., see Selstam, G. (53) 155
Hammond, J.M., see Spicer, L.J. (50) 139
Handwerger, S., Harman, I., Costello, A. and Markoff, E.
Cyclic AMP inhibits the synthesis and release of prolactin from human decidual cells (50) 99
Hanley, R.M., Strada, S.J., Steiner, A.L., Thompson, W.J. and Shenolikar, S.
Increase in liver protein phosphatase-1 in spontaneously diabetic Chinese hamsters (50) 115
Haralambidis, J., see Butkus, A. (54) 123
Harding, B.W., see Natarajan, R.D. (53) 75
Harman, I., see Handwerger, S. (50) 99
Harrison, L.C., see Campbell, I.L. (52) 161
Hasegawa, Y., see Fukuda, M. (51) 41
Hasegawa, Y., see Suzuki, T. (54) 185

Haug, E., see Bjøro, T. (49) 119
Hauser, G., see Kiesel, L. (51) 1
Hearn, M.T.W., see Bertolini, J. (51) 187
Heisler, S., see Lutz-Bucher, B. (53) 161
Herington, A.C., Smith, A.I., Wallace, C. and Stevenson, J.L.
Partial purification from human serum of a specific binding protein for human growth hormone (53) 203
Herington, A.C., see Ymer, S.I. (53) 67
Herington, A.C., see Zhiwen, Z. (54) 213
Higgins, S.J., see Fawell, S.E. (50) 107
Higgins, S.J., see Fawell, S.E. (53) 149
Hii, C.S.T. and Howell, S.L.
Role of second messengers in the regulation of glucagon secretion from isolated rat islets of Langerhans (50) 37
Hilgenfeldt, U. and Schott, R.
Heterogeneity in the carbohydrate structure of rat angiotensinogen (51) 211
Ho-Kim, M.A., see Boissonneault, G. (51) 19
Hofland, L.J., Van Koetsveld, P., Koper, J.W., Den Holder, A. and Lamberts, S.W.J.
Weak estrogenic activity of phenol red in the culture medium: its role in the study of the regulation of prolactin release in vitro (54) 43
Hohmann, P. and Hughes, C.
H1 histone synthesis and phosphorylation in mouse mammary gland in vitro (54) 35
Holland, L.J. and Wangh, L.J.
Estrogen induction of a 45 kDa secreted protein coordinately with vitellogenin in *Xenopus* liver (49) 63
Horuk, R., see May, J.M. (49) 181
Houdebine, L.-M., see Jahn, G.A. (52) 205
Hovsépian, S., see Aouani, A. (52) 151
Hovsépian, S., see Delain, E. (49) 173
Howell, S.L., see Hii, C.S.T. (50) 37
Howells, R.D., see Nakajima, Y. (53) 15
Hsueh, A.J.W., see Bicsak, T.A. (49) 211
Hsueh, A.J.W., see Kasson, B.G. (52) 27
Hsueh, A.J.W., see Liu, Y.-X. (54) 221
Huang, S.-C.E., see Cote, G.J. (53) 211
Hughes, C., see Hohmann, P. (54) 35
Hughes, S.J., Christie, M.R. and Ashcroft, S.J.H.
Potentiators of insulin secretion modulate Ca^{2+} sensitivity in rat pancreatic islets (50) 231
Huhtaniemi, I., see Jalkanen, J. (51) 273
Huhtaniemi, I., see Nikula, H. (49) 39
Huhtaniemi, I.T., Nikula, H., Detta, A., Stewart, J.M. and Clayton, R.N.
Blockade of rat testicular gonadotropin releasing hormone (GnRH) receptors by infusion of a GnRH antagonist has no major effects on Leydig cell function in vivo (49) 89
Hunter, M.G. and Armstrong, D.T.
Oestrogens inhibit steroid production by dispersed porcine thecal cells (50) 165
Huslig, R.L., Malik, A. and Clark, M.R.
Human chorionic gonadotropin stimulation of immunoreactive prostaglandin synthase in the rat ovary (50) 237
Hutson, J.C., Yee, J.B. and Yee, J.A.
Peritubular cells influence Sertoli cells at the level of translation (52) 11

Ibayashi, H., see Yanase, T. (51) 237
Ibuki, Y., see Fukuda, M. (51) 41
Ibuki, Y., see Suzuki, T. (54) 185
Ichikawa, K. and DeGroot, L.J.
Thyroid hormone receptors in a human hepatoma cell line: multiple receptor forms on isoelectric focusing (51) 135
Igarashi, M., see Fukuda, M. (51) 41
Igarashi, M., see Suzuki, T. (54) 185
Ishizaki, H., see Mizoguchi, A. (51) 227
Isogai, A., see Mizoguchi, A. (51) 227
Isola, J.J., see Ylikomi, T.J. (52) 35
Ivell, R., see Morley, S.D. (53) 255
Iversen, J.-G., see Bjøro, T. (49) 119

Jadali, F., see Kiesel, L. (51) 1
Jaffe, R.C.
Physicochemical properties of the triiodothyronine nuclear receptor from tadpole liver, intestine and tail fin (52) 137
Jahn, G.A., Moguilewsky, M., Houdebine, L.-M. and Djiane, J.
Binding and action of glucocorticoids and mineralocorticoids in rabbit mammary gland. Exclusive participation of glucocorticoid type II receptors for stimulation of casein synthesis (52) 205
Jalkanen, J., Ritvos, O., Huhtaniemi, I., Stenman, U.-H., Laatikainen, T. and Ranta, T.
Phorbol ester stimulates human granulosa-luteal cell cyclic adenosine 3′,5′-monophosphate and progesterone production (51) 273
Janecki, A. and Steinberger, A.
Vectorial secretion of transferrin and androgen binding protein in Sertoli cell cultures: effect of extracellular matrix, peritubular myoid cells and medium composition (52) 125
Janzen, W.P., see Granger, N.A. (49) 237
Jarvis, W.D., see Judd, A.M. (54) 107
Jeandel, L., see Lutz-Bucher, B. (53) 161
Jefcoate, C.R., see Privalle, C.T. (53) 87
Jenks, B., see Lamacz, M. (50) 203
Jentoft, J., see Zull, J.E. (51) 267
John, M.E., Simpson, E.R., Carr, B.R., Magness, R.R., Rosenfeld, C.R., Waterman, M.R. and Mason, J.I.
Ontogeny of adrenal steroid hydroxylases: evidence for cAMP-independent gene expression (50) 263
Johnstone, A.P., see Whitley, G.StJ. (52) 279
Judd, A.M., Jarvis, W.D. and MacLeod, R.M.
Attenuation of pituitary polyphosphoinositide metabolism by protein kinase C activation (54) 107
Jutisz, M., see Lerrant, Y. (54) 23

Karlsson, F.A., see Nilsson, M. (53) 177
Karowe, M., see Snyder, P.J. (54) 115
Kasson, B.G. and Hsueh, A.J.W.
Insulin-like growth factor-I augments gonadotropin-stimulated androgen biosynthesis by cultured rat testicular cells (52) 27

Kataoka, H., see Mizoguchi, A. (51) 227
Kato, K.-i., see Yanase, T. (51) 237
Katoh, M., see Berthon, P. (51) 71
Kayser, C., see Postel-Vinay, M.C. (52) 199
Keinänen, K.P., Kellokumpu, S. and Rajaniemi, H.J.
Visualization of the rat ovarian lutropin receptor by ligand blotting (49) 33
Keller Sarmiento, M.I., see Vacas, M.I. (50) 23
Kellokumpu, S., see Keinänen, K.P. (49) 33
Kelly, P.A., see Berthon, P. (51) 71
Kelly, P.A., see Ymer, S.I. (53) 67
Kelly, T.J., see Whisenton, L.R. (50) 3
Khalfallah, Y., see Laville, M. (50) 247
Khan, I., see Selstam, G. (53) 155
Kiechel, J.R., see Bression, D. (50) 255
Kiesel, L., Rabe, T., Hauser, G., Przylipiak, A., Jadali, F. and Runnebaum, B.
Stimulation of luteinizing hormone release by melittin and phospholipase A_2 in rat pituitary cells (51) 1
King, M.W., see Theofan, G. (54) 135
Kitada, C., see Mizoguchi, A. (51) 227
Kletzien, R.F., see Scott Fritz, R. (51) 13
Koch, B., see Lutz-Bucher, B. (53) 161
Koper, J.W., see Hofland, L.J. (54) 43
Kozak, S.L., see Bethea, C.L. (54) 63
Kristensen, P., see Liu, Y.-X. (54) 221
Kupryszewski, G., see Lamacz, M. (50) 203

Laatikainen, T., see Jalkanen, J. (51) 273
Lamacz, M., Tonon, M.-C., Danger, J.-M., Jenks, B., Kupryszewski, G. and Vaudry, H.
Biphasic effect of thyrotropin-releasing factor (TRH) on α-melanotropin secretion from frog intermediate lobe in vitro (50) 203
Lamberts, S.W.J., Bons, E.G. and Zuiderwijk-van der Roest, J.M.
Studies on the mechanism of corticotrophin-mediated desensitization of corticosterone secretion by rat adrenocortical cells (52) 243
Lamberts, S.W.J., see Hofland, L.J. (54) 43
Laurent, E., Mockel, J., Van Sande, J., Graff, I. and Dumont, J.E.
Dual activation by thyrotropin of the phospolipase C and cyclic AMP cascades in human thyroid (52) 273
Lauro, R., see Gherzi, R. (53) 9
Laville, M., Khalfallah, Y., Vidal, H., Beylot, M., Comte, B. and Riou, J.P.
Hormonal control of glucose production and pyruvate kinase activity in isolated rat liver cells: influence of hypothyroidism (50) 247
Leavitt, W.W., see Cobb, A.D. (52) 51
Ledesma, D.B., see Simpson, E.R. (52) 267
Lehoux, J.-G., see Bélisle, S. (49) 195
Lemarchand-Béraud, T., see Donda, A. (54) 29
Lemoch, H., see Rao, G.S. (53) 45
Lerrant, Y., Corbani, M., Counis, R. and Jutisz, M.
Rat placental mRNA directs the synthesis of a polypeptide immunologically related to α-subunit of glycoprotein hormones (54) 23
Leseney, A.M., Benmiloud, M., Befort, N. and Befort, J.J.
In vitro evidence that hypothyroidism modifies glucocorticoid receptors (52) 1
Levy, J., see Segal, T. (53) 239
Linebaugh, B.E. and Rillema, J.A.
Actions of insulin on MCF-7 cells that are synchronized with hydroxyurea (52) 227
Ling, N., see Ueno, N. (49) 189
Liu, Y.-X., Cajander, S.B., Ny, T., Kristensen, P. and Hsueh, A.J.W.
Gonadotropin regulation of tissue-type and urokinase-type plasminogen activators in rat granulosa and theca-interstitial cells during the periovulatory period (54) 221
Lloyd, C.J., Cary, D.A. and Mendelsohn, F.A.O.
Angiotensin converting enzyme induction by cyclic AMP and analogues in cultured endothelial cells (52) 219
Lobo, J.O., see Bellino, F.L. (52) 143
Ludwig, G., Ganten, D., Murakami, K., Fasching, U. and Hackenthal, E.
Relationship between renin mRNA and renin secretion in adrenalectomized, salt-depleted, or converting enzyme inhibitor-treated rats (50) 223
Lutz-Bucher, B., Jeandel, L., Heisler, S., Roberts, J.L. and Koch, B.
Evidence that AVP receptors in AtT-20 corticotrophs are not coupled to secretion of POMC-derived peptides (53) 161

McDonald, C.J., see Fawell, S.E. (50) 107
MacDonald, P.C., see Casey, M.L. (53) 169
MacLaughlin, D.T., see Coughlin, J.P. (49) 75
MacLeod, R.M., see Judd, A.M. (54) 107
McNamara, B.C., see Privalle, C.T. (53) 87
Madar, Z., see Ashkenazi, A. (50) 79
Maertens, P. and Denef, C.
α-Adrenergic stimulation of growth hormone release in perifused rat anterior pituitary reaggregate cell cultures (54) 203
Magness, R.R., see John, M.E. (50) 263
Makara, G.B., Szentendrei, T. and Rappay, G.
Is calcium or cyclic AMP involved in the inhibitory effect on pituitary hormone secretion of the tripeptide aldehyde proteinase inhibitors? (52) 63
Malaisse, W.J., see Giroix, M.-H. (49) 219
Malaisse, W.J., see Yilmaz, M.T. (52) 251
Malik, A., see Huslig, R.L. (50) 237
Mandel, S., see Barkey, R.J. (52) 71
Mandon, E.C., De Gómez Dumm, I.N.T., Gómez Dumm, C.L.A. and Brenner, R.R.
Epinephrine effect on arachidonic acid biosynthesis in isolated adrenocortical cells (51) 127
Manley, S.W., see Waters, M.J. (49) 109
Markoff, E., see Handwerger, S. (50) 99
Marsh, J. and Tata, J.R.
Hormonal regulation of RNA synthesis and specific gene expression in *Xenopus* oviduct cells in primary culture (53) 141
Mason, J.I., see John, M.E. (50) 263
Massoud, M., see Guesnet, P. (50) 177

Mattson, M.P. and Spaziani, E.
Demonstration of protein kinase C activity in crustacean Y-organs, and partial definition of its role in regulation of ecdysteroidogenesis (49) 159
Mauvais-Jarvis, P., see Stamatiadis, D. (54) 141
Mavilia, C., see Brandi, M.L. (54) 91
May, J.M., Horuk, R. and Olefsky, J.M.
Photolabeling of the adipocyte hexose carrier with an aryl azide derivative of maltose (49) 181
Mendelsohn, F.A.O., see Cary, D.A. (53) 103
Mendelsohn, F.A.O., see Lloyd, C.J. (52) 219
Mendelson, C.R. and Simpson, E.R.
Regulation of estrogen biosynthesis by human adipose cells in vitro (52) 169
Mendelson, C.R., see Simpson, E.R. (52) 267
Mercer, J.E., Clements, J.A., Funder, J.W. and Clarke, I.J.
Rapid and specific lowering of pituitary FSHβ mRNA levels by inhibin (53) 251
Merchenthaler, I., Culler, M.D., Petrusz, P. and Negro-Vilar, A.
Immunocytochemical localization of inhibin in rat and human reproductive tissues (54) 239
Miller, R.E., see Bhandari, B. (51) 7
Mills, J.S., Needham, M., Thompson, T.C. and Parker, M.G.
Androgen-regulated expression of secretory protein synthesis in mouse ventral prostate (53) 111
Minuto, F., Del Monte, P., Barreca, A., Nicolin, A. and Giordano, G.
Partial characterization of somatomedin C-like immunoreactivity secreted by breast cancer cells in vitro (54) 179
Mitchell, M.D., see Casey, M.L. (53) 169
Miyamoto, K., see Fukuda, M. (51) 41
Miyamoto, K., see Suzuki, T. (54) 185
Mizoguchi, A., Ishizaki, H., Nagasawa, H., Kataoka, H., Isogai, A., Tamura, S., Suzuki, A., Fujino, M. and Kitada, C.
A monoclonal antibody against a synthetic fragment of bombyxin (4K-prothoracicotropic hormone) from the silkmoth, *Bombyx mori*: characterization and immunohistochemistry (51) 227
Mockel, J., Delcroix, C., Rodesch, F. and Dumont, J.E.
Regulation of calcium fluxes in the thyroid (51) 95
Mockel, J., see Laurent, E. (52) 273
Moguilewsky, M., see Jahn, G.A. (52) 205
Mohapatra, S.K., see Sebok, K. (52) 185
Mölne, J., see Nilsson, M. (53) 177
Monaco, L. and Conti, M.
Inhibition by phorbol esters and other tumor promoters of the response of the Sertoli cell to FSH: evidence for dual site of action (49) 227
Montiel, F., see Ortiz-Caro, J. (49) 255
Morera, A.M., see Benahmed, M. (50) 69
Morley, S.D. and Ivell, R.
Vasopressin gene transcripts in the bovine corpus luteum are defective (53) 255
Mowszowicz, I., see Stamatiadis, D. (54) 141
Mugele, K., see Gehring, U. (53) 33
Mukhopadhyay, A.K., see Budnik, L.T. (54) 51
Munari-Silem, Y., Audebet, C. and Rousset, B.
Protein kinase C in pig thyroid cells: activation, translocation and endogenous substrate phosphorylating activity in response to phorbol esters (54) 81
Murakami, K., see Ludwig, G. (50) 223

Nagasawa, H., see Mizoguchi, A. (51) 227
Nakajima, Y., Howells, R.D., Pegg, C., Davies Jones, E. and Rees Smith, B.
Structure–activity analysis of microsomal antigen/thyroid peroxidase (53) 15
Nakhla, A.M.
Calcitonin induces ornithine decarboxylase in various rat tissues (52) 263
Naor, Z., see Nikula, H. (49) 39
Natarajan, R.D. and Harding, B.W.
The function of NADH-semidehydroascorbate reductase and ascorbic acid in corticosteroid hydroxylation (53) 75
Nau, R., Ballmann, M. and Conlon, J.M.
Binding of vasoactive intestinal polypeptide to dispersed enterocytes results in rapid removal of the NH_2-terminal histidyl residue (52) 97
Nawata, H., see Yanase, T. (51) 237
Nayfeh, S.N., see Berman, M.I. (54) 151
Needham, M., see Mills, J.S. (53) 111
Negro-Vilar, A., see Merchenthaler, I. (54) 239
Nephew, K.P., see Pate, J.L. (53) 187
Nicolin, A., see Minuto, F. (54) 179
Nikula, H., Naor, Z., Parvinen, M. and Huhtaniemi, I.
Distribution and activation of protein kinase C in the rat testis tissue (49) 39
Nikula, H., see Huhtaniemi, I.T. (49) 89
Nilsson, M., Mölne, J., Karlsson, F.A. and Ericson, L.E.
Immunoelectron microscopic studies on the cell surface location of the thyroid microsomal antigen (53) 177
Niznik, H.B.
Dopamine receptors: molecular structure and function (54) 1
Norjavaara, E., see Selstam, G. (53) 155
Norman, A.W., see Hall, A.K. (51) 25
Norman, A.W., see Theofan, G. (54) 135
Nussey, S.S., see Whitley, G.StJ. (52) 279
Ny, T., see Liu, Y.-X. (54) 221

O'Donohue, T.L., see Bishop, J.F. (52) 17
Olefsky, J.M., see May, J.M. (49) 181
Oonk, R.B. and Grootegoed, J.A.
Identification of insulin receptors on rat Sertoli cells (49) 51
Orlowski, R.C., see Shah, G.V. (49) 203
Ortiz-Caro, J., Montiel, F., Yusta, B., Pascual, A. and Aranda, A.
Down-regulation of thyroid hormone nuclear receptor levels by L-triiodothyronine in cultured glial C6 cells (49) 255
Østberg, B.C., see Bjøro, T. (49) 119
Oxbrow, L., see Campbell, I.L. (52) 161

Parker, M.G., see Mills, J.S. (53) 111

Parker, M.G., see Rushmere, N.K. (51) 259
Parl, F.F., Schonbaum, C.P., Cox, D.L. and Cavener, D.R.
Detection of estrogen receptor mRNA in human uterus (52) 235
Parvinen, M., see Nikula, H. (49) 39
Pascual, A., see Ortiz-Caro, J. (49) 255
Pate, J.L., Nephew, K.P. and Zarle, G.S.
Cell density influences hormonal responsiveness but not lipoprotein utilization in cultured bovine luteal cells (53) 187
Patel, J., see Bishop, J.F. (52) 17
Paulson, C.R. and Stay, B.
Inhibition of corpora allata by larval brain extract in the cockroach *Diploptera punctata* (51) 243
Pedersen, R.C. and Brownie, A.C.
Gamma$_3$-melanotropin promotes mitochondrial cholesterol accumulation in the rat adrenal cortex (50) 149
Pedersen, R.C. and Brownie, A.C.
High density lipoprotein influences the response of rat adrenocortical cells to γ_3-melanotropin (50) 157
Pegg, C., see Nakajima, Y. (53) 15
Peillon, F., see Bression, D. (50) 255
Penschow, J.D., see Butkus, A. (54) 123
Pereyra, E.N., see Vacas, M.I. (50) 23
Perez Castillo, A., see Blázquez, E. (49) 149
Perrard-Sapori, M.H., Chatelain, P.C., Rogemond, N. and Saez, J.M.
Modulation of Leydig cell functions by culture with Sertoli cells or with Sertoli cell-conditioned medium: effect of insulin, somatomedin-C and FSH (50) 193
Persson, L. and Rosengren, E.
Dopaminergic regulation of polyamine synthesis in the rat pituitary gland (51) 219
Peterlik, M., see Cross, H.S. (53) 53
Petrusz, P., see Merchenthaler, I. (54) 239
Pfister, D., see Goldman, J. (50) 183
Portois, M.-C., see Stamatiadis, D. (54) 141
Postel-Vinay, M.C., Kayser, C. and Desbuquois, B.
Ligand-induced changes in the subcellular distribution of insulin receptors in rat liver: effects of colchicine (52) 199
Powell, F.E., see Simpson, E.R. (52) 267
Privalle, C.T., McNamara, B.C., Dhariwal, M.S. and Jefcoate, C.R.
ACTH control of cholesterol side-chain cleavage at adrenal mitochondrial cytochrome *P*-450$_{scc}$. Regulation of intramitochondrial cholesterol transfer (53) 87
Przylipiak, A., see Kiesel, L. (51) 1
Purvis, K., see Rui, H. (50) 89
Purvis, K., see Rui, H. (52) 91

Quintana, S.J., see Badinga, L. (52) 85

Rabe, T., see Kiesel, L. (51) 1
Radicella, J.P., see Crespi, M.D. (53) 221
Rajaniemi, H.J., see Keinänen, K.P. (49) 33
Ramsden, D.B., see Wood, D.F. (52) 257
Ranta, T., see Jalkanen, J. (51) 273
Rao, G.S., Lemoch, H. and Cronrath, C.
Interaction of calmodulin with iodothyronines: effect of iodothyronines on the calmodulin activation of cyclic AMP phosphodiesterase (53) 45
Rappay, G., see Makara, G.B. (52) 63
Ravindra, R. and Grosvenor, C.E.
Suckling influences the in vitro assembly of anterior pituitary gland tubulin into microtubules in the lactating rat (54) 231
Rees Smith, B., see Nakajima, J. (53) 15
Rexroad, Jr., C.E., see Battista, P.J. (51) 145
Reymond, M.J., see Donda, A. (54) 29
Rillema, J.A., see Linebaugh, B.E. (52) 227
Riou, J.P., see Laville, M. (50) 247
Ritvos, O., see Jalkanen, J. (51) 273
Roberts, J.L., see Lutz-Bucher, B. (53) 161
Roche, P.J., see Butkus, A. (54) 123
Rodesch, F., see Mockel, J. (51) 95
Rogemond, N., see Perrard-Sapori, M.H. (50) 193
Rønnekleiv, O.K., see Bethea, C.L. (54) 63
Rosberg, S., see Selstam, G. (53) 155
Rosenfeld, C.R., see John, M.E. (50) 263
Rosengren, E., see Persson, L. (51) 219
Rossini, G.P.
Molybdate inhibits glucocorticoid-receptor complex binding to RNA (49) 129
Rotella, C.M., see Brandi, M.L. (54) 91
Rothwell, N.J., Stock, M.J. and Tedstone, A.E.
Effects of ciglitazone on energy balance, thermogenesis and brown fat activity in the rat (51) 253
Rousset, B., see Munari-Silem, Y. (54) 81
Rubin, J.E. and Catherwood, B.D.
1,25-Dihydroxyvitamin D attenuates cAMP accumulation in cultured human lymphocytes (52) 213
Rui, H. and Purvis, K.
Independent control of citrate production and ornithine decarboxylase by prolactin in the lateral lobe of the rat prostate (52) 91
Rui, H. and Purvis, K.
Prolactin selectively stimulates ornithine decarboxylase in the lateral lobe of the rat prostate (50) 89
Rundle, S.E., see Giraud, A.S. (53) 245
Runnebaum, B., see Kiesel, L. (51) 1
Rushmere, N.K., Parker, M.G. and Davies, P.
Androgen receptor-binding regions of an androgen-responsive gene (51) 259
Ryan, G.B., see Butkus, A. (54) 123

Saez, J.M., see Durand, P. (53) 195
Saez, J.M., see Perrard-Sapori, M.H. (50) 193
Sairam, M.R., see Sebok, K. (52) 185
Salmi, L., see Cantin, M. (52) 105
Sand, O., see Bjøro, T. (49) 119
Santon, J.B., see Gill, G.N. (51) 169
Schonbaum, C.P., see Parl, F.F. (52) 235
Schott, R., see Hilgenfeldt, U. (51) 211
Scott Fritz, R. and Kletzien, R.F.
Regulation of glucose-6-phosphate dehydrogenase by diet and thyroid hormone (51) 13

Sebok, K., Sairam, M.R., Cantin, M. and Mohapatra, S.K.
Distribution of follitropin and deglycosylated follitropin in the rat: a quantitative and radioautographic study (52) 185
Segal, T., Levy, J. and Sharoni, Y.
GnRH analogs stimulate phospholipase C activity in mammary tumor membranes: modulation by GTP (53) 239
Selstam, G., Norjavaara, E., Rosberg, S., Khan, I., Hamberger, B. and Hamberger, L.
Catecholamine content and adenylate cyclase activity in corpora lutea of different ages of the PMSG-treated immature rat (53) 155
Sener, A., see Giroix, M.-H. (49) 219
Sener, A., see Yilmaz, M.T. (52) 251
Shah, G.V., Epand, R.M. and Orlowski, R.C.
Conformational determinants in receptor recognition of peptide hormones: interaction of parathyroid hormone with the glucagon receptor (49) 203
Sharoni, Y., see Segal, T. (53) 239
Sharpe, R.M. and Cooper, I.
Relationship between the exposure of Leydig cells to factor(s) present in testicular interstitial fluid and changes in their capacity to secrete testosterone during culture or after hCG-induced desensitization (51) 105
Shaw, G., see Waters, M.J. (49) 109
Shenolikar, S., see Hanley, R.M. (50) 115
Sheppard, M.C., see Davis, J.R.E. (54) 197
Sheppard, M.C., see Wood, D.F. (52) 257
Shroyer, L.A., see Varandani, P.T. (50) 171
Simpson, E.R., Evans, C.T., Corbin, C.J., Powell, F.E., Ledesma, D.B. and Mendelson, C.R.
Sequencing of cDNA inserts encoding aromatase cytochrome *P*-450 (*P*-450$_{AROM}$) (52) 267
Simpson, E.R., see John, M.E. (50) 263
Simpson, E.R., see Mendelson, C.R. (52) 169
Simpson, E.R., see Trzeciak, W.H. (52) 43
Simpson, R.J., Grego, B., Govindan, M.V. and Gronemeyer, H.
Peptide sequencing of the chick oviduct progesterone receptor form B (52) 177
Smedegård, G., see Widmark, A. (53) 25
Smith, A.I., see Giraud, A.S. (53) 245
Smith, A.I., see Herington, A.C. (53) 203
Smith, L.M., see Zull, J.E. (51) 267
Smith, P., Williams, E.D. and Wynford-Thomas, D.
In vitro demonstration of a TSH-specific growth desensitising mechanism in rat thyroid epithelium (51) 51
Smith, P., see Wynford-Thomas, D. (51) 163
Snyder, P.J., Bashey, H.M., Gatewood, C.V. and Karowe, M.
Characterization of human LH isohormones from fresh pituitary tissue (54) 115
Southard, J.N. and Talamantes, F.
Immunological studies of rodent placental lactogens (50) 29
Spät, A., see Enyedi, P. (51) 83
Spaziani, E., see Mattson, M.P. (49) 159
Spicer, L.J. and Hammond, J.M.
Catecholestrogens stimulate progestin secretion by cultured porcine granulosa cells (50) 139
Spiegel, A.M.
Signal transduction by guanine nucleotide binding proteins (49) 1
Spindler, K.-D. and Grossmann, D.
Uptake and retention of moulting hormones by the integument of crayfishes in vitro. III. The possible involvement of Na^+/K^+-ATPase (52) 81
Stamatiadis, D., Portois, M.-C., Blondeau, J.-P., Mowszowicz, I. and Mauvais-Jarvis, P.
Photoaffinity labeling of the androgen receptor from human skin fibroblasts (54) 141
Stay, B., see Paulson, C.R. (51) 243
Steinberger, A., see Janecki, A. (52) 125
Steiner, A.L., see Hanley, R.M. (50) 115
Stenman, U.-H., see Jalkanen, J. (51) 273
Stevenson, J.L., see Herington, A.C. (53) 203
Stewart, J.M., see Huhtaniemi, I.T. (49) 89
St. John, P.A., see Chen, G.-G. (51) 201
Stock, M.J., see Rothwell, N.J. (51) 253
Strada, S.J., see Hanley, R.M. (50) 115
Suzuki, A., see Mizoguchi, A. (51) 227
Suzuki, T., Miyamoto, K., Hasegawa, Y., Abe, Y., Ui, M., Ibuki, Y. and Igarashi, M.
Regulation of inhibin production by rat granulosa cells (54) 185
Szentendrei, T., see Makara, G.B. (52) 63

Talamantes, F., see Southard, J.N. (50) 29
Tamura, S., see Mizoguchi, A. (51) 227
Tanini, A., see Brandi, M.L. (54) 91
Tata, J.R., see Marsh, J. (53) 141
Tedstone, A.E., see Rothwell, N.J. (51) 253
Thampan, R.V.
A 62 kDa protein functions as estrogen receptor activation factor (E-RAF) in the goat uterus (53) 119
Thatcher, W.W., see Badinga, L. (52) 85
Theofan, G., King, M.W., Hall, A.K. and Norman, A.W.
Expression of calbindin-D_{28K} mRNA as a function of altered serum calcium and phosphorus levels in vitamin D-replete chick intestine (54) 135
Thibault, G., see Cantin, M. (52) 105
Thomas, Jr., C.G., see Berman, M.I. (54) 151
Thompson, T.C., see Mills, J.S. (53) 111
Thompson, W.J., see Hanley, R.M. (50) 115
Thorneycroft, I.H., see Wun, W.-S.A. (54) 165
Toccafondi, R., see Brandi, M.L. (54) 91
Tonon, M.-C., see Lamacz, M. (50) 203
Torjesen, P.A., see Bjøro, T. (49) 119
Trahair, J.F., see Butkus, A. (54) 123
Tregear, G.W., see Butkus, A. (54) 123
Tremblay, R.R., see Boissonneault, G. (51) 19
Trzeciak, W.H., Duda, T., Waterman, M.R. and Simpson, E.R.
Effects of epidermal growth factor on the synthesis of the cholesterol side-chain cleavage enzyme complex in rat ovarian granulosa cells in primary culture (52) 43
Tseng, L., see Bellino, F.L. (52) 143
Tucker, E.M., see Bicsak, T.A. (49) 211
Tuohimaa, P.J., see Ylikomi, T.J. (52) 35
Tweedale, R.C., see Waters, M.J. (49) 109

Ueno, N., Baird, A., Esch, F., Ling, N. and Guillemin, R.
Isolation and partial characterization of basic fibroblast growth factor from bovine testis (49) 189
Ui, M., see Suzuki, T. (54) 185
Unger, J. and Van Sande, J.
Modulation of thyroglobulin release by dog thyroid slices (52) 115

Vacas, M.I., Keller Sarmiento, M.I., Pereyra, E.N., Etchegoyen, G.S. and Cardinali, D.P.
In vitro effects of adenohypophysial hormones on rat pineal melatonin content and release (50) 23
Vale, W., see Bicsak, T.A. (49) 211
Van Koetsveld, P., see Hofland, L.J. (54) 43
Van Sande, J., see Laurent, E. (52) 273
Van Sande, J., see Unger, J. (52) 115
Varandani, P.T. and Shroyer, L.A.
Identification of an insulin fragment produced by an insulin degrading enzyme, neutral thiopeptidase (50) 171
Vaudry, H., see Lamacz, M. (50) 203
Vaughan, J., see Bicsak, T.A. (49) 211
Veldhuis, J.D. and Demers, L.M.
Activation of protein kinase C is coupled to prostaglandin $F_{2\alpha}$ synthesis in the ovary: studies in cultured swine granulosa cells (49) 249
Veldhuis, J.D., see Wheeler, M.B. (50) 123
Verhoeven, G. and Cailleau, J.
A Leydig cell stimulatory factor produced by human testicular tubules (49) 137
Vidal, H., see Laville, M. (50) 247
Vignal, A., see Delain, E. (49) 173
Vilgrain, I., see Brami, B. (50) 131
Vilgrain, I., see Durand, P. (53) 195
Vilja, P.J., see Ylikomi, T.J. (52) 35
Volkman, A., see Bautista, A.P. (50) 59
Vukmirovich, R., see Goldman, J. (50) 183

Wallace, C., see Herington, A.C. (53) 203
Wangh, L.J., see Holland, L.J. (49) 63
Waterman, M.R., see John, M.E. (50) 263
Waterman, M.R., see Trzeciak, W.H. (52) 43
Waters, M.J., Tweedale, R.C., Whip, T.A., Shaw, G., Manley, S.W. and Bourke, J.R.
Dedifferentiation of cultured thyroid cells by epidermal growth factor: some insights into the mechanism (49) 109
Weiss-Messer, E., see Barkey, R.J. (52) 71
Wheeler, M.B. and Veldhuis, J.D.
Catalytic and receptor-binding properties of the calcium-sensitive phospholipid-dependent protein kinase (protein kinase C) in swine luteal cytosol (50) 123
Whip, T.A., see Waters, M.J. (49) 109
Whisenton, L.R., Granger, N.A. and Bollenbacher, W.E.
A kinetics analysis of brain-mediated 20-hydroxyecdysone stimulation of the corpora allata of *Manduca sexta* (54) 171
Whisenton, L.R., Kelly, T.J. and Bollenbacher, W.E.
Multiple forms of cerebral peptides with steroidogenic functions in pupal and adult brains of the yellow fever mosquito, *Aedes aegypti* (50) 3
Whitley, G.StJ., Nussey, S.S. and Johnstone, A.P.
SGHTL-34, a thyrotropin-responsive immortalised human thyroid cell line generated by transfection (52) 279
Widmark, A., Bergh, A., Damber, J.-E. and Smedegård, G.
Leucocytes mediate the hCG-induced increase in testicular venular permeability (53) 25
Williams, D.W., Wynford-Thomas, D. and Williams, E.D.
Control of human thyroid follicular cell proliferation in suspension and monolayer culture (51) 33
Williams, E.D., see Smith, P. (51) 51
Williams, E.D., see Williams, D.W. (51) 33
Williams, E.D., see Wynford-Thomas, D. (51) 163
Wood, D.F., Docherty, K., Ramsden, D.B. and Sheppard, M.C.
A comparison of the effects of bromocriptine and somatostatin on growth hormone gene expression in the rat anterior pituitary gland in vitro (52) 257
Wun, W.-S.A. and Thorneycroft, I.H.
Estradiol positive feedback on the rat anterior pituitary gland in vitro (54) 165
Wynford-Thomas, D., Smith, P. and Williams, E.D.
Proliferative response to cyclic AMP elevation of thyroid epithelium in suspension culture (51) 163
Wynford-Thomas, D., see Smith, P. (51) 51
Wynford-Thomas, D., see Williams, D.W. (51) 33

Yanase, T., Nawata, H., Haji, M., Kato, K.-i. and Ibayashi, H.
Preproenkephalin A-derived opioid peptides and mRNA of preproenkephalin A in human pheochromocytomas (51) 237
Yee, J.A., see Hutson, J.C. (52) 11
Yee, J.B., see Hutson, J.C. (52) 11
Yilmaz, M.T., Sener, A. and Malaisse, W.J.
Glycerol phosphorylation and oxidation in pancreatic islets (52) 251
Ylikomi, T.J., Isola, J.J., Vilja, P.J. and Tuohimaa, P.J.
Characterization of the estrogen-sensitive cells expressing progesterone receptor in the bursa of Fabricius (52) 35
Ymer, S.I., Kelly, P.A., Herington, A.C. and Djiane, J.
Immunological relationship and binding capacity of prolactin receptors in cytosolic and membrane fractions of rabbit mammary gland (53) 67
Youdim, M.B.H., see Amit, T. (49) 17
Yusta, B., see Ortiz-Caro, J. (49) 255

Zarle, G.S., see Pate, J.L. (53) 187
Zhiwen, Z., Herington, A.C., Carson, R.S., Findlay, J.K. and Burger, H.G.
Direct inhibition of rat granulosa cell inhibin production by epidermal growth factor in vitro (54) 213
Zuiderwijk-van der Roest, J.M., see Lamberts, S.W.J. (52) 243
Zull, J.E., Smith, L.M., Chuang, J. and Jentoft, J.
Deletion of lysine 13 alters the structure and function of parathyroid hormone (51) 267
Zürich, M.G., see Donda, A. (54) 29